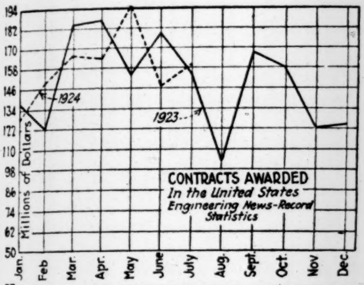
CONSTRUCTION NEWS

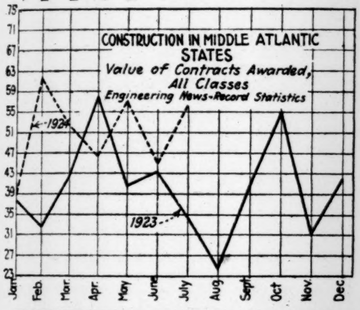
Engineering News-Record, August 21, 1924

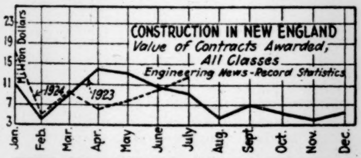
The Construction Barometer

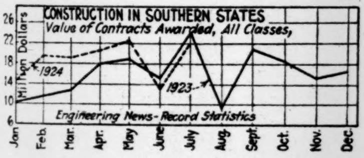
Gains in Both Private and Public Construction During Last Week—Increase in Private Commercial Buildings—General Improvement in Trade

CONSTRUCTION gains during July were confined to the states east of the Mississippi, according to *Engineering News-Record* statistics. The greatest gain in money value of contracts let, occurred in the Middle Atlantic states; the greatest decline, in the Far West. Building permits fell off 9 per cent during the month. The week ending Aug. 14, however, showed substantial gains over the preceding week, in both private and public work. Industrial construction declined slightly as did large public buildings. An increasing number of large projects (all classes) are now out for bids. Aside from the fact that construction is holding its own, there are reports of improvement in other industries, such as: steel, lumber, textiles, and leather. Car loadings of grain, forest products, ores and less-car-lot merchandise are also on the increase.









Engineering News-Record Statistics

Minimum on water-works and excavations, \$15,000; other public work, \$25,000; industrial buildings, \$40,000; commercial buildings, \$150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
July 31	\$32,273,000	\$21,712,000	\$53,985,000
Aug. 7	17,396,000	21,618,000	39,014,000
Aug. 14	23,960,000	22,786,000	46,746,000
3 weeks	\$73,629,000	\$66,116,000	\$139,745,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

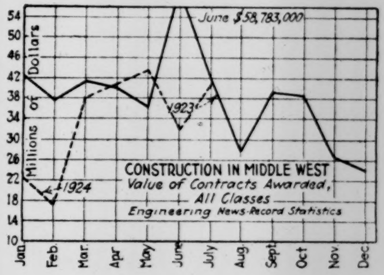
	Commercial					
		Public Work		Private Work		Industrial Work
Week Ended	No.	Thousand	No.	Thousand	No.	Thousand
July 31	16	\$4,035	44	\$11,314	21	\$6,719
Aug. 7	12	4,672	37	18,026	26	2,965
Aug. 14	11	2,491	47	18,386	15	2,757
3 weeks	39	\$11,198	128	\$47,726	62	\$12,441

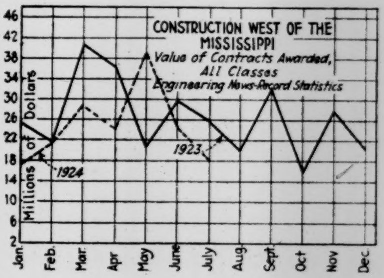
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

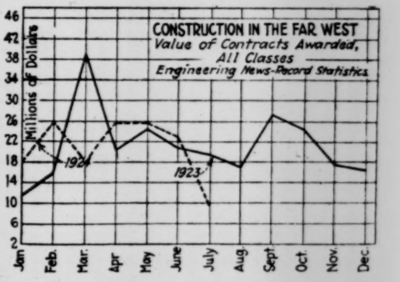
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
July 31	28	41	85	52	226
Aug. 7	25	35	74	38	204
Aug. 14	29	45	80	44	217

STRUCTURAL PRICES SHADE EASIER

	Quoted on Aug. 21 at	Price Was	On
Structurals, Pittsburgh, 100 lb	\$1.95 @2.15	\$2.00 @2.15	Aug. 14
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.....	57.00	54.00	July 10
Fir, San Fran., M. ft..	31.00	32.00	Aug. 7
Common labor, hr....	.56	.55	Apr. 24







Waterworks

PROPOSED WORK

Mass., Winthrop — Plans larger mains and general reconstruction of system to increase water pressure in various sections of town. \$30,000-\$40,000. C. W. Howard, chn. Water Commissioners.

Conn., New Britain—City plans extending mains in Grove St. and other streets. \$25,000. J. D. Williams, city engr.

Conn., Southington — City plans 6 in. watermain extension in Marion Sect. \$25,000. S. H. McKenzie, city engr.

N. Y., St. Johnsville—Voted \$170,000 bonds for additional water supply.

W. Va., Westover — Election Sept. 2, \$70,000 bonds for waterworks. C. McDowell, Westover, engr.

N. C., Cary—Made preliminary surveys waterworks. G. C. White & Co., Durham, engrs.

N. C., Lilesville—Making surveys waterworks, sewers, and paving various streets, etc. J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., engrs.

Miss., Brookhaven — Plans to issue \$50,000 bonds for waterworks and electric light plant. J. D. Nixon, city clk.

O., Cleveland—Making preliminary plans 2 story and basement, brick and steel pumping station and filtration plant in southwestern section of city. \$1,000,000. A. V. Ruggles, City Hall, engr. H. Kregelins, City Hall, archt.

O., Dayton — Plans improving waterworks system, incl. 84 in. rein.-con. collecting conduit; 8- to 30-in. c.i. suction and discharge mains; remodelling and enlarging steam pumping plant at Keowee St., 72 in. rein.-con. suction conduit from suction storage reservoir to pumping plant with c.i. pipe loop connections; 6 m.g. daily capacity high service pumping unit, 10 m.g. storage reservoir; 1 m.g. standpipe at Tates Hill, etc. \$4,200,000. G. M. Baker, dir. Pub. Serv.

Mich., Detroit—Baker Land Co., 12,480 ft. 6 in. c.i. mains and 12,000 lin.ft. 8 in. vitr. sewers, to Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., \$35,000. Noted July 24.

Mich., Ferndale—Making plans 20,000 ft. 6- to 10-in. c.i. mains. \$87,000. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Mich., Springwells—Making plans 36 in. mains. \$100,000. Hubbell, Hartgering & Roth, 2348 Penobscot Bldg., Detroit, engrs.

Ill., Springfield—Takes bids in September 10 m.g. filtration and softening plant, also extensions to power plant. Burns & McDonell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs.

Wis., Madison—L. A. Smith, city supt. plans 20,000 to 25,000 gal. steel tank on 75 ft. steel tower, also deep well pumping equipment. \$15,000. Engineer not selected.

Tex., Rusk—Henderson Co. voted \$65,000 bonds waterworks improvements, filtration plant and reservoir.

Waterworks (Continued)

Tex., Sinton—Made plans watermain extensions. $20,000 bonds voted. E. L. Dalton, Wilson Bldg., Dallas, engr.

Okla., Braman — Making preliminary plans new waterworks, mains, well, tank, etc., also electric transmission lines from Blackwell, also street lighting system. $30,000. O. Scott, mayor. Engineer not selected.

Okla., Heavener—Election Aug. 19, $125,000 bonds for waterworks improvements. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Aug. 7.

Okla., Hominy—Plans new waterworks, incl. deep well motor driven pumps, mains, etc. $85,000. W. C. Parness, city clk. Engineer not selected.

Okla., Newkirk — Making preliminary plans new water supply, wells, transmission line, 23,000 ft. 10 in. c.i. mains, etc., also Triplex motor driven pumps in Kelly wells. $110,000. F. B. King, Grain Exch. Bldg., Oklahoma City, engr.

Okla., Okemah—Election Aug. 29, $75,000 bonds, enlarging filter plant, new flow line, motor driven centrifugal pumps, equipment, etc. Engineer not selected. J. S. Price, city clk.

Okla., Wewoka—Election Aug. 28, $150,000 bonds for reservoir, earth dam, spillway, 3 mi. pipe line, etc. V. V. Long, 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 6.

Washington — See "Buildings — Commercial."

Wash., Bellingham—City Council plans extending and improving water system. $100,000.

Calif., Aptos—See "Streets and Roads."

Calif., Meridian—Reclamation Dist. 70, new pumping plant and two new electric motors, 350 hp. and 550 hp., in Sutter Co., to Olympian Dredging Co., 249 1st St., San Francisco, $54,990. Noted July 3.

Calif., Santa Monica—See "Streets and Roads."

BIDS DESIRED

N. H., Berlin—Berlin Water Co., taking bids filtration plant. To exceed $40,000. Weston & Sampson, 14 Beacon St., Boston, Mass., archts. and engrs. Noted June 26.

N. C., Southern Pines—Sept. 9 (extended date), by S. B. Richardson, mayor, and Bd. Town Comrs., pumping station sewage disposal plant, etc. G. C. White Co., Durham, engr., adv. E. N.-R. Aug. 21. Noted July 31.

Miss., Shuqualak—Sept. 4, by Mayor and Bd. Aldermen, waterworks and electric lights improvements, incl. galvanized mains, valves and hydrants, oil engine, reservoir, elevated tank, etc. H. A. Mentz, engr.

O., Cincinnati—Sept. 2, by Commissioners Hamilton Co., 26,710 4- to 12-in. c.i. mains Water Supply line 4, in Dist. 1, Fairfax and Madison eights, $69,481; 53,415 ft. 4- to 16-in. c.i. mains for Water Supply Line 2, Dist. 1., Deer Park, $136,253. L. A. Boyatt, Court House, engr. Noted July 10.

O., Cleveland—Sept. 3, by Commissioner of Purchases and Supplies, filter sand and gravel for Baldwin-Fairmount Project, Contr. 52. A. V. Ruggles, engr.; adv. E. N.-R. Aug. 21.

O., Worthington—Aug. 21, by Jennings-Lawrence Co., engrs., 511 Hartman Bldg., Columbus, 5,000 ft. 6 and 8 in. water mains and about 4,400 ft. 6 and 8 in. sewers in Granville St. and New England Ave. from Granby St. to east corporation line, here, for City.

Wis., Eau Claire—Aug. 27, by O. E. Oien, city clk., 3 m.g. rein.-con. reservoir on Mount Tom. $165,000. L. P. Wolff, 903 Globe Bldg., St. Paul, Minn., engr. Noted Aug. 14.

Mich., Iron Mountain—Aug. 25, by Bd. Water Comrs., brick and concrete filtration plant and high service pumping station, 3 m.g. capacity. Hoad, Decker, Shoecraft & Brury, 303 State St., Ann Arbor, engrs.

Calif, Glendale — See "Streets and Roads."

Calif., Placerville—City Trustees taking bids constructing approximately 4,000 ft. trench, and 3,000 ft. c.i. mains. C. H. Wildman, city engr.

BIDS RECEIVED

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Armstrong, Buchanan, Burke and Carlton Aves., etc., from N. Peduto, 342 East 113th St., New York, $22,500. Noted Aug. 14.

Pa., Phila.—Dept. Pub. Wks., Bureau Water, Aug. 6, boiler house roof at Shawmont pumping station, Contr. 693, from Acme Machine Co., 316 North 17th St., $6,996; grading and dredging, etc., water front at Lardners Point pumping station, Contr. 696, from G. Dobbin, 1020 South 47th St., $9,975; boiler and feed treating plants for Towesdale and Belmont pumping stations, Contr. 698, from Amer. Water Softener Co., 4th and Lehigh Aves., $4,995; furnishing c.i. discharge pipe, Contr. 712, from Bethlehem Shipbuilding Co., Weidner Bldg., $425; furnishing bronze impeller for 30 in. pump at Lardner Point pumping station, Contr. 713, from Dravo Doyle Co., 805 Schaff Bldg., $3.140.

Ill., Chicago—Removal of Lake Shore Crib, 2 mi. from shore line, from Great Lake Dredge & Dock Co., 104 South Michigan Ave., $172,760. Engrs. est. $75,000. Noted Aug. 7.

CONTRACTS AWARDED

Mass., Boston—Dept. Pub. Wks., City Hall., electric valve operating equipment on 36 in. valve at Copley Sq., Beacon St., Commonwealth and Huntington Aves., for Water Dept., to Payne-Deane Ltd., Springdale St., Stamford, Conn., $5,995. Noted Aug. 7.

Mass., Chicopee—Waterworks Dept., furnishing 6 m.g. 2 stage centrifugal pump, operated by 600 hp. motor at Cooley Brook Station, to Worthington Pump Co., Holyoke, $10,750. Engrs. est. $15,000.

Mass., Great Barrington — Fire Dept., laying about 8,000 ft. 6 in. watermains and 5,000 ft. sewer tile, to G. Ferrullo & Co., 31 North Sq., Boston. Engrs. est. $15,000.

Mass., Springfield—Pub. Wks. Dept., 1 story, 32 x 42 ft., pumping station, to E. F. Carlson Co., 244 Main St., $64,400. Noted July 17.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Pinehurst, Seaman, Sickles, East 10th and West 187th Sts., to Beaver Eng. & Contg. Co., 57 Chambers St., $12,300.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Central Park West, to N. Peduto, 342 East 113th St., 143,700. Noted Aug. 14.

Md., Baltimore—Mayor and City Council, valves for Water Dept., to A. P. Smith Mfg. Co., Norman St., East Orange, N. J., $30,078.

O., Westerville—R. Biehl, city mgr., one 350 gal. motor driven triplex, one 1,400 gal. and two 400 gal. motor driven centrifugal pumps, to Allenclif Eng. Co., East Livingston Ave., Columbus, $2,600; also 1 story water treatment plant, concrete bank, 500,000 gal. daily capacity, to Burnip Constr. Co., East Broad St., Columbus, $41,000. Noted June 26.

Wis., Milwaukee—Dept. Pub. Wks., 6,300 lin. ft. 54 in., 100 ft. 48 in., 175 ft. 30 in. c.i. mains in streets from Riverside pumping station to Booth St. and North Ave., to W. T. Werner, 675 Hi-Mount Blvd., $68,906.

Minn., Minneapolis — For 100 fire hydrants, to Columbian Iron Wks. Co., Chattanooga, Tenn., $88.44 each. Bids for 90 tons steel castings cancelled. Noted Aug. 7.

Neb., Republican City—Improving waterworks, etc., to Omaha Structural Steel Co., 4802 Leavenworth St., Omaha. Engineer's est. $20,000. Noted Apr. 10.

Tex., Mart—For 110,000 cu.yd. excav., and 240 cu.yd. concrete in dam and spillway, to McCall Eng. Co., Amicable Bldg., Waco, $50,490. Engrs. est. $50,000. Noted July 24.

Tex., Midland — City will build watermains and sewer extensions, by day labor, under supervision of Municipal Eng. Co., engrs., Praetorian Bldg., Dallas. $75,000. Noted June 12, under "Sewers."

Okla., Owasso—New waterworks to take water from Spavinaw line near Mohawk, 11,600 ft. 2- to 5-in. c.i. pipe, motor driven pump, etc., to N. S. Sherman Machine & Iron Wks., 18 East Main St., Oklahoma City, $23,475. Engrs. est. $25,000.

Colo., Denver—For 32,045 ft. more or less 66 in. rein.-con. conduit, incl. 575 ft. tunnel, etc., from new filter plant north side Marston Lake to West Alameda Ave. and South Hooker St., to Lock Joint Pipe Co., East Orange, N. J., $902,226. Noted July 3.

Calif., Montecito—Montecito Co. Water Dist., Valley Rd., rein.-con. reservoir, 1,102 cu.yd. rock and 3,305 cu.yd. earth excav., 50 tons reinforcing, 4,900 sq.ft. wire mesh, 600 cu.yd. crushed rock, 300 bbls. sand, 1,050 bbls. cement, 20,680 ft. form lumber, to C. T. Richardson, 525 East Haley St., Santa Barbara, $23,395. Noted Aug. 14.

Sewers

PROPOSED WORK

Mass., West Springfield (Springfield P.O.)—Plans repairing and new sewers in various streets. $70,000. Steel Bros., city engrs.

Conn., West Hartford (Hartford P.O)—Plans sewer in Hugh St. $2[illegible],000.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., rejected bids Aug. 5, sewers in White Plains Rd. Will readvertise. Noted Aug. 14.

Md., Baltimore—Mayor and City Council making plans storm water drains in vicinity Schroeder St. from Lombard to Pratt Sts. $38,500. V. B. Siems, City Hall, water engr.

Md., Baltimore—Mayor and City Council, preparing plans, 20 in. sewer in Harlem Ave. $40,000. V. B. Siems, City Hall, water engr.

W. Va., Westover—Election Sept. 2, $25,000 bonds for sewers. C. McDowell, Westover, engr.

N. C., Lilesville—See "Waterworks."

N. C., Raleigh—Plans to issue $100,000 bonds sewer outfalls in northeastern and southewstern sections of city.

Mich., Flint—Voted $596,000 bonds for intercepting sewer and force main. H. McClure, city engr.

Ill., Taylorsville—Sanitary Dist. making plans outfall sewer and disposal plant. $150,000. Kelker Deleuw Co., 111 West Washington St., Chicago, engrs.

Ia., Burlington—Made plans storm sewer drains. $210,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Mo., St. Joseph — Making preliminary plans 7,756 ft. sewer in 19th St., $18,000, 960 ft. concrete sewer in Upper Whitehead Sewer, $30,000, 1,540 ft. Oak Hill Main and 2,800 ft. districts sewers, $14,000, also 5,330 ft. Grand Ave. main sewer extension $48,000. W. K. Seitz, City Hall, engr.

Tex., San Antonio — Attorney General's Dept. approved $100,000 bonds for sanitary sewers and $250,000 bonds for storm sewers. J. W. Tobin, mayor. Noted Dec. 13.

Tex., Sinton—Made plans sewerage disposal plant and system. $35,000 bonds voted. E. L. Dalton, Wilson Bldg., Dallas, engr.

Tex., Tahoka — Making plans complete sewerage system. $25,000 plus. Elrod Eng. Co., 3124 Elm St., Dallas, engrs.

Okla., Bixby—Making plans 4 mi. sewerage system and disposal plant. $25,000. Hughes Eng. Co., Lynch Bldg., Tulsa, engrs.

Calif., Blythe—Making surveys and plans for sanitary sewers and sewage treating plant. Burns-McDonnell-Smith Engineering Co., 415 Marsh-Strong Bldg., Los Angeles, engrs.

Calif., Glendale—Made plans and takes bids in September, sanitary sewers and sewage outfall. Burns-McDonnell-Smith Engineering Co., 415 Marsh-Strong Bldg., Los Angeles, engrs. Noted Jan. 24.

Calif., San Mateo — See "Streets and Roads."

Calif., Santa Monica—See "Streets and Roads."

Ont., Port Elgin—Takes bids end of August sewage disposal system. $35,000 bonds voted. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

BIDS DESIRED

N. Y., Long Island City—Aug. 28, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in Grand Ave.

N. Y., St. George—Aug. 25, by J. A. Lynch, pres. Richmond Boro, Boro Hall, sewers in Hopping Ave.

N. J., Bergenfield—Aug. 26, by Mayor and Boro Council, sanitary sewers in Washington Ave. et al. T. Bowe, 110 William St., New York City, consult. engr.; adv. E. N.-R. Aug. 21.

Md., Baltimore — Aug. 27, by Bd. of Awards, c/o City Register, sewers, drains, and rights-of-way in Sewer Dist. 5-B, Storm Water Contr. 75; also sewers and storm drains, in Dist. H-6, Storm Water Contr. 67. B. L. Crozier, highway engr.; adv. E. N.-R. Aug. 13.

Ga., Albany—Aug. 29, by J. W. Armstrong, city clk., storm sewers. W. A. Smith, city mgr.; adv. E. N.-R., Aug. 21.

O., Akron—Aug. 22, by W. F. Peters, dir. Pub. Serv., sewers in 2,900 ft. Mull Ave. $100,000. J. E. Root, 300 Delaware Bldg., engr.

Sewers (Continued)

O., Cincinnati—Sept. 2, by Commissioners, Hamilton Co., 29,775 ft. 6 and 8 in. vitr. clay sewer in Fairfax-Madison Heights and Homer Ave., Sewer 2, Dist. 1. $74,709. L. C. Boyatt, Court House, engr.

O., Silverton (mail Pleasant Ridge, Branch Cincinnati P. O.), Sept. 2, by Comrs. Hamilton Co. (Cincinnati), 41,270 ft. 6- to 12-in. vitr. clay sewer in Sanitary Sewer 1, Dist. 1, here. $116,705. L. C. Boyatt, Court House, Cincinnati, engr.

O., Worthington—See "Waterworks."

Tex., Corsicana—Sept. 2, by A. Harper, city secy., addition to disposal plant. Former bids rejected. W. W. McClendon, city engr. Noted July 10.

Calif., Glendale—See "Streets and Roads."

Calif., Los Angeles—Bd. Pub. Wks. taking bids constructing 6,789 lin.ft. 5 ft. 3 in. semi-elliptical brick concrete, 5 ft. 9 in. precast concrete, or 5 ft. 3 in. semi-elliptical concrete sewer in Sect. 15 or North Outfall Sewer; also 5,871 lin.ft. 5 ft. 3 in. semi-elliptical brick concrete, 3 ft. 6 in. pre-cast concrete, or 3 ft. 3 in. semi-elliptical concrete sewer in Sect. 16 of North Outfall Sewer. Separate bids on construction and materials complete or construction alone. W. L. Knowlton, city sewer engr.

Calif., Salinas—Taking bids 3,187 ft. 18- to 30-in. concrete or vitr. clay storm sewers in Capitol St. and Central Ave. H. W. Cozzens, city engr. Noted June 19.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Aug. 13 (**e.e. means engineers estimate**), from S. Coenzo, 678 Glenmore Ave., sewers in West 11th St., 76.89% e.e. $55,142; from P. J. Donlon Contg. Co., Snyder Ave. and East 56th St., sewer in Gravesend Ave. 77.7% e.e. $262,131; from Manmill Constr. Co., 2035 Douglass St., Portal Ave. 79% e.e. $1,400, Clarkson Ave. 89% e.e. $450, 68th St., 87% e.e. $4,514; from C. F. Vacharas, 645 40th St., sewer in East 31st St., 75% e.e. $400.

N. Y., Long Island City—M. E. Connolly, pres., Queens Boro, Queens Subway Bldg., Aug. 12, sewer in Hammels Blvd., from Patrick McGovern, Inc., 50 East 42nd St., New York, A $805,151, B $1,072,747.

Va., Richmond—A. J. Seville, dir. Pub. Wks., Shockoe Creek Sewer, 2,262 ft. 15 ft. 1½ in. x 27 ft. rein.-con. arch sewer and 542 ft. 11 ft. 9 in. x 17 ft. rein.-con. box sewer head walls, concrete junction box, etc, Contr. 1, Lower Sect., from Smith Bros., Inc., American Natl. Bank Bldg., $589,620; 2,510 ft. 29 ft. x 16 ft. 3 in. and 3,795 ft. 27 x 15 ft. 1½ in. rein.-con. arch sewers, 464 lin.ft. 7 ft. 6 in. x 7 ft. 2 in. rein.-con. box sewers, concrete junction boxes, etc., Contr. 2, Upper Sect., from Whiting-Turner Constr. Co., Inc., Stewart Bldg., Baltimore, Md., $768,972. Noted July 17.

Mich., Detroit—Constructing 3,657 ft. Bradford Ave. Sewer Arm, brick in tunnel, from W. Blanck Co., 40 Seven Mile Rd., E., $76,451.

Wash., Seattle—Bd. Pub. Wks., trunk sewer outfall in 11th St. N. W., et. al., from Interstate Constr. Co., Seattle, $61,838. Engrs. est. $63,964.

CONTRACTS AWARDED

N. Y., New York — H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., to C. W. McDonald, West 10th St., Brooklyn, sewers in Crosby Ave. $4,739, Godwin Terrace $12,170; to McDonald & Wilson, 222nd St. and Laconia Ave., Dudley Ave. $3,769, Edison Ave. $6,243, Barnes Ave. $7,064, Rosedale Ave. $3,391, Randall Ave. $3,826; to Fordham Contg. Co., Dorothy Pl., Paulding Ave. $7,623, Continental Ave. $7,959; to F. Gabrielle, 1129 8th St., Mace Ave. $28,568; to F. Del Balso & Son, 660 East 221st St., Walton Ave. $3,835, Orloff Ave. $20,677; to Anita Constr. Co., 2975 Marion Ave., Edenwald Ave. $19,716, Muliner Ave. $31,772, Schley Ave. $79,676, Amundson Ave. $11,292, Boyd Ave. $3,300. Noted Aug. 14.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, sanitary sewer in Manor Rd., to J. J. Johnson Sons, 455 Bway., West New Brighton, $28,918. Noted Aug. 14.

N. J., Asbury Park—Constructing storm sewer in Atkins Ave., Neptune Twp., to Mercer Constr. Co., Comomnwealth Bldg., Trenton, $27,298.

N. J., Jersey City—Bd. City Comrs., Sect. 2, of trunk sewer, to Hannen Constr. Co., Perth Amboy, $1,147,110. Noted July 24.

Md., Baltimore—Storm sewers in Dists. 32 and 49, Storm Water Contr. 72, to Ryan Constr. Co., 8 Light St., $87,214. Noted Aug. 14.

Md., Baltimore—Mayor and City Council, sanitary sewers and storm water drains in Dist. G-13, Contr. 74, to Commonwealth Constr. Co., Madison & Howard Sts., $68,816. Noted Aug. 14.

Fla., St. Petersburg—City Comn., 36 in. trunk line sanitary sewers from 1st alley south to City Plant, storm sewers in 2nd and 4th Aves., 1st, 23rd and 22nd Sts., etc., to Gedney-Murphy Co., St. Petersburg, $171,696. Noted July 10.

O., Akron—W. F. Peters, dir. Pub. Serv., to E. and W. McShaffrey Co., 574 Rhodes Ave., Wolf Ledge Run Trunk Sewer, Contr. 7, 450 ft. 94 x 144 in. concrete pipe $75 per ft., 615 ft. 96 x 150 in. concrete pipe $79, 760 ft. 30 in. brick pipe $11.45, 380 ft. 72 in. brick pipe $49 and 1,395 ft. 126 in. brick pipe $69, total $272,054. Noted July 24.

O., Cleveland—For 1,015 ft. 7 and 10 ft., 42 ft. 9 in. x 14 ft. x 9 in., and 123 ft. 5 ft. 8 in. rein.-con. sewer in Dugway Brook, to Stevens Constr. Co., 5600 Linwood Ave., $76,812, 1,000 ft. of 6 ft., 260 ft. 5 ft. 9 in., 250 ft. 5 ft. 6 in. rein.-con., and 2,490 ft. of vitr. tile sewer in East 185th St. and Nottingham Rd., to Iafornaro Constr. Co., 2218 Murray Hill Rd., $90,972.

O., Cleveland—For 1,645 ft. 6 ft. 9 in. concrete sewer in East 70th St., to Amato Constr. Co., 5910 Kinsman Rd., $62,030.

Mich., Clawson—C. J. Crawford, Comr. Oakland Co. Drain, to B. Hayes, 907 Majestic Blg., Detroit, Sect. 1, 5,796 ft. 8 ft. sewer, $24, etc., total $143,354, Sect. 2, 4,158 ft. 7 ft. 6 in. sewer $23, etc., total $105,984, Sect. 3, 4,300 ft. 7 ft. $22, 2,109 ft. 6 ft. 6 in. $21, and 890 ft. 24 in. $15, total $160,239; to Hammen & Co., 4612 Woodward Ave., Detroit, Sect. 4, 2,347 ft. 72 in. sewer $21.55, 1,666 ft. 60 in. $16.15, 616 ft. 48 in. $12.45, 1,307 ft. 30 in. $6.65, and 908 ft. 24 in. $4.90, etc., total $105,594. Noted Aug. 14.

Mich., Detroit—To W. Blanck Co., 40 Seven Mile Rd., 3,657 ft. Bradford Ave. Arm Gratiot Ave. Sewer, brick in tunnel, $76,451.

Mich., Detroit—Constructing Harper Ave. Arm West Sect. 1, to J. A. Mercier Co., 616 Hammond Bldg., $47,498; Cadieux Rd. Sewer Sect. 2, to Jeynes & Affeld, 1208 Ford Bldg., $121,189; Sewer 4151, to H. Ponterelli & Co., Wolverine Hotel, $80,600; Sewer 4165, to A. Arcari, 425 Puritan Ave. $21,000; Sewer 4177, to Louwers & Sommerville, 2631 Woodward Ave., $71,790, Sewer 4180, to Western Constr. Co., 1208 Ford Bldg., $6,263; Sewer 4176 to Michigan Constr. Co., 40 Penobscot Bldg., $13,382, Sewers 4170 and 4185, to W. Blanck & Co., 40 Seven Mile Rd., $7,297 and $16,178 respectively; Sewer 4182, to S. Healey, 6466 Epworth Blvd., $5,727; Sewers 4183, 4191, to Detroit Drainage Constr. Co., 5099 Lemay Ave., $5,442 and $3,600 respectively. Noted Aug. 14.

Mich., Detroit—See "Waterworks."

Mich., Grand Rapids—Constructing 1st St. Relief Sewer, 1,550 ft. 60 in. circular, and 3,700 ft. 6 in. x 8 ft. 5 in. special section sewer, etc., to G. R. Cooke Co., 1260 Penobscot Bldg., Detroit, $192,191. Noted July 17.

Wis., Milwaukee — J. H. Fowler secy. Sewerage Comn., 508 Market St., intercepting and regulating structures on east side of city, to W. Swietlik, 969 Humboldt Ave., $57,742; on south side, to Wenzel & Henoch Co., 498 27th St., $71,050. Noted July 24.

Wis., New London—C. J. Thompson, city clk., will construct vitr. and concrete sewers in Oshkosh St., by day labor. $40,000. H. R. Albert, Court House, Green Bay, engr.

Ark., Bentonville—Bd. Impvt., 14 mi. sewers Impvt. Dist. 1, to Silver Constr. Co., Okmulgee, Okla., $85,643. Former contract rescinded. Noted Aug. 7.

Tex., Dallas—For 14,200 ft. 36 in. concrete sewer in Cadiz St., to Smith Bros., American. Exch. Natl. Bank, $163,000. Engrs. est. $173,000.

Tex., Midland—See "Waterworks."

Calif., Long Beach—For 40,820 lin.ft. 8- to 18-in. sewer, in Dist. 7, Anaheim St., etc., to United Concrete Pipe Co., P. O. Box 6, Ventura, $99,899.

Bridges

PROPOSED WORK

Conn., Bridgeport — See "Streets and Roads."

N. J., Newark—Essex Co. plans 2 span 100 ft. plate girder bridge, steel beam, concrete deck. $50,000. Upper Chatham Bridge, W. A. Stickel, Court House, engr.

Pa., Altoona—City, Pennsylvania R.R. Broad St. Sta., Phila., and Altoona & Logan Valley Electric Ry. Co., plan 150 ft. steel and concrete bridge, 60 ft. over railroad tracks, 17th St. $200,000. H. J. Baum, City Hall, engr.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, takes bids about Sept. 9, large bridge across Pass Manchac on Hammond-New Orleans Highway. J. M. Fourmy, ch. engr.

Missouri—State Hy. Dept., Jefferson City, plans two 12 ft. rein.-con. slab spans, etc., over Rock Creek, Saline Co.; one 80 ft. steel truss and four 20 ft. rein.-con. slab spans, etc., over Big Dry Wood Creek, eight 20 ft. rein.-con. slab spans, etc., over overflow of Big Dry Wood Creek, Vernon Co., 86.445 mi. roads, 30 ft., in etc., over South River, Marion Co.; one 60 ft. steel truss and four 20 ft. rein.-con. slab spans over Mound Creek, also seven 20 ft. rein.-con. slab spans, etc., over Possum Creek, Bates Co.; three 45 ft. and one 40 ft. rein.-con. slab spans, etc., over Beaver Dam Creek, Audrain Co.; eight 20 ft. rein.-con. slab spans, etc., over overflow Deep Water Creek, Henry Co. B. H. Peipmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans ten 20 ft. rein.-con. slab spans, etc. over overflow of Mussel Fork, one 100 ft. steel truss and two 30 ft. I-beam spans, etc. over Chariton River Drainage Ditch, one 80 ft. steel truss and three 25 ft. I-beam spans, etc. over west fork of Chariton River, one 35 ft. and one 25 ft. rein.-con. deck girder spans, etc. over stream, one 80 ft. steel truss and two 20 ft. rein.-con. slab spans over Mussel Fork, one 35 ft. rein.-con. deck girder span, etc. over Stinking Creek, one 25 ft. rein.-con. deck girder span over Winn Creek, one 35 ft. rein.-con. deck girder span, etc. over Brush Creek, one 25 ft. rein.-con. deck girder span, etc. over Duck Creek, one 30 ft. rein.-con. deck girder span, etc. over Sand Branch, one 80 ft. steel truss and six 20 ft. rein.-con. slab spans, etc. over east fork of Chariton River, one 45 ft. rein.-con. deck girder and six 20 ft. rein.-con. slab spans, etc. over Salt River, one 45 ft. rein.-con. deck girder and six 18 ft. rein.-con. slab spans, etc. over Brush Creek, fifteen 20 ft. rein.-con. slab spans, etc. over overflow of Salt River, all Macon Co.; two 60 ft. steel truss and four 20 ft. rein.-con. slab spans, etc. over Post Oak Creek, one 80 ft. steel truss and two 25 ft. I-beam spans, etc. over Black Water River, three 20 ft. rein.-con. slab spans, etc. over Butcher Branch, three 25 ft. rein.-con. deck girder spans over drainage ditch, three 18 ft. rein.-con. slab spans, etc. over stream, and five 20 ft. rein.-con. slab spans over overflow of Post Oak Creek, all Johnson Co.; one 75 ft. steel truss, five 40 ft. rein.-con. deck girder, and three 20 ft. rein.-con. slab spans, over tracks of Missouri, Kansas & Texas R.R.; one 18 ft. and two 14 ft. rein.-con. slab spans, etc. over drainage ditch, three 30 ft. rein.-con. deck girder spans, over Turkey Creek, Callaway Co., one 60 ft. steel truss span over Currie River, and four 40 ft. rein.-con. deck girder spans over Goings Creek, Audrain Co.; fifteen 20 ft. rein.-con. slab spans, etc. over C. and A. Lake, Saline Co.; two 12 ft. rein.-con. slab spans, etc. over Elk Chute, Pemiscot Co.; one 35 ft. and two 25 ft. rein.-con. deck girder spans, etc. in Clay Co.; one 40 ft. rein.-con. deck girder and five 20 ft. rein.-con. slab spans, etc. over tracks of Wabash R.R. B. H. Piepmeier, state highway engr.

Tenn., Maryville—Aluminum Co. of America, Alcoa, plans 2 concrete and steel girder bridges, and later dam at industrial plant, here.

Tex., San Antonio — Attorney General's Dept. approved $100,000 bonds for bridges. J. W. Tobin, mayor. Noted Dec. 13.

California—State Highway Comn., Sacramento, plans bridge over San Joaquin River, Fresno Co., $25,000. Fresno Co. finances portion of cost. R. M. Morton, state highway engr.

BIDS DESIRED

N. Y., Buffalo—Sept. 5, by Dept. Pub. Wks., Municipal Bldg., reconstructing, renewing and protecting viaduct on Washington St. over tracks of New York Central R.R., south of Exchange St. W. F. Schwartz, comr.; adv. E. N.-R. Aug. 21.

Pennsylvania—See "Streets and Roads."

Alabama—Sept. 10, by State Hy. Comn., Montgomery, replacing untreated timber bridge, also grading and gravel surfacing

Bridges (Continued)

4 mi. roads at Union Springs, Federal Aid Project 1, Bullock Co., Proposal 1; 139 cu.yd. class A concrete, 13,772 lb. reinforcing, 147,112 ft. treated timber structures, 9,070 ft. treated timber piles, 1,300 cu.yd. excav., etc., Proposal 2, 1,760 cu. yd. excav., 1,100 cu.yd. gravel, 10 concrete right-of way markers, etc., Bullock Co. W. S. Keller, highway comr.

Miss., Winona—See "Streets and Roads."

Louisiana—See "Streets & Roads."

La., Abbeville—See "Streets & Roads."

Indiana — Aug. 26, by State Highway Comn., **(S.R. means State Road)** 5 bridges on S.R. 6 and 22, Marion Co., 4 on S.R. 6, Shelby Co., 3 on S.R. 22, Morgan Co., 1 on S.R. 22 Johnson Co., 4 on S.R. 32, Putnam Co., 3 on S.R. 32 and 33, Montgomery Co., 1 on S.R. 32, Tippecanoe Co., 2 on S.R. 10 and 33, Fountain Co., 2 on S.R. 47, Spencer Co., 1 on S.R. 10, Gibson Co., 1 on S.R. 10, Vermillion Co., 1 on S.R. 4, Sullivan Co., 1 on S.R. 10, Parke Co., 1 on S.R. 28, Davies and Pike County line. $300,000. J. D. Williams, dir.

Ia., Atlantic—Aug. 27, by Bd. Supervs. Cass Co., one 24 x 40 ft. I-Beam bridge, one 3 span 20 x 26 ft. I-Beam bridge with cresoted wood floor and pile abutments, and one 20 x 120 ft. high truss bridge with eight I-beam approaches, also 18 culverts, etc., Bridge Project 283. To exceed $25,000. A. J. Gates, Atlantic, engr.

Minnesota—See "Streets and Roads."

Kan., Wichita—Sept. 15, at office E. S. Worrell, city clk., constructing and lengthening several bridges. P. L. Brockway, city engr.; adv. E. N.-R. Aug. 21.

South Dakota—Aug. 26, by State Highway Comn., Pierre, **(F. A. P. means Federal Aid Project)** several viaducts on F. A. P. 182 A, Buffalo and Jerauld Counties, 50,034 lb. reinforcing and 125,099 lb. structural steel, 2,580 cu.yd. common excav. etc.; one concrete box culvert on F. A. P. 187 A, Gregory Co., 25,000 lb. reinforcing, 150 cu.yd. excav., etc.; viaducts on F. A. P. 170 E, Turner and Minnehaha Counties, 31,164 lb. reinforcing and 105,745 lb. structural steel, 235 cu.yd. excav. etc. F. D. Hudgins, ch. engr.

Tex., Canadian—See "Streets & Roads."

Tex., Houston—Harris Co., taking bids concrete bridges on Seabrook Loop Rd. $50,000. Howe & Wise, First National Bank, engr.

BIDS RECEIVED

N. J., Camden—Constructing Kaighn Ave. Bridge, from Michael Staub & Kolyn, 47 South Bway., Pitman, $66,990.

CONTRACTS AWARDED

N. H., Portsmouth—Dept. Pub. Wks., Pierce Island Bridge to Cashman Bros., Newburyport, Mass., $21,217. Engrs. est. $25,000.

Vt., St. Albans—Central Vermont Railway Co., 250 ft. span steel plate girder bridge at Three Rivers No. 76, abutments and concrete work, to E. D. Ward Co., 82 Foster St., Worcester, Mass.; superstructure, to Amer. Bridge Co., 120 Franklin St., Boston, Mass. Engrs. est. $100,000.

Massachusetts—See "Streets and Roads."

Ohio—See "Streets and Roads."

Ohio—Dept. Highway and Pub. Wks., Columbus, rein.-con., bridge Sect. A-1, Piqua-Troy Rd., Miami Co., to L. C. Love, Sidney, $7,386; bridge and approaches, Sect. K, Freemont-Perrysburg Rd., Sandusky Co., to A. Sheckelhoof, Fremont, $8,296; bridge on Sect. A-2, Canton-Alliance Rd., Stark Co., to G. W. Luke, Canton, $8,296; bridge on Sect. Q, Akron-Medina Rd., Summit Co., to W. L. Yoekey, Akron, $6,484; bridge and approaches on Sect. K, Fremont-Perrysburg Rd., Sandusky Co., to W. A. Yeagle, Clyde, $11,721.

Ia., Dennison—See "Unclassified."

Ia., Des Moines—For one 3 span, 18 x 100 ft. pony truss bridge, 194,270 lb. steel, 47,500 lb. reinforcing, etc., to Iowa Bridge Co., 19th St. and Easton Blvd., $26,490.

Montana—See "Streets and Roads."

Oregon—State Hy. Comn., Salem, 1 span concrete and steel bridge and trestle, over Illinois River, on Pacific Highway, Josephine Co., to J. J. Badraun, North 3103 Post St., Spokane, Wash., $24,615; steel truss bridge over Deschuler River, on Country Rd., Deschuler Co., to Illinois Steel Bridge Co., Hutton Bldg., Spokane, Wash., $9,830.

Que., St. Stanislas — I. E. Vallee, ch. engr., c/o Dept. Pub. Wks., Quebec, bridge over Eunes River, to Gauthier & Julien, Portneuf, $29,450. Eng. est. $35,000.

Dams

PROPOSED WORK

Mass., Hampden—City plans 30 ft., probably concrete dam, 4 ft. thick and 20 ft. high, on Ballard Estate. $25,000.

Tenn., Marysville—See "Bridges."

BIDS DESIRED

Calif., San Bernardino—De Witt & Blair Realty Co., Union Bank Bldg., Los Angeles, taking bids Green Valley dam, 650 cu.yd. concrete core wall, 20,000 cu.yd. earth fill. $25,000.

CONTRACTS AWARDED

Mass., Quincy—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, concrete dam, Black's Creek Bridge, here, to W. A. Norton Co., 77 Summer St., Boston, $11,500.

Railways

PROPOSED WORK

Kansas and Nebraska — Kansas Public Utilities Co., plans hearing Sept. 2, in Hays City, Kan., on application of Golden Belt R.R. to construct 150 mi. road from Great Bend, Kan., to Republican, Neb., extending through Brooks and Ellis Counties in Kansas, and Harland Co., Nebr., connecting with Rock Island, Burlington & Quincy and Union Pacific Railroads.

Texas—Gulf Coast Lines, Union Sta., Houston, making plans extending tracks of Houston Belt & Terminal R.R., at Market St. $25,000 plus. C. S. Kirkpatrick, ch. engr.

Texas—Seaboard Electric Ry. Co., Mason Bldg., Houston, made plans approximately 50 mi. railway from Houston to La Porte by way Morgans Point $1,000,000. J. A. Cottingham, c/o owner, engr.

California—California Fruit Exchange, California Fruit Bldg., Sacramento, plans (1st unit) approximately 5 mi. railroad (total length 14 mi.) in Quincy. $60,000. Work will probably be done by day labor.

CONTRACTS AWARDED

Quebec—T. T. Irvings, ch. engr. Canadian Natl. R.R., New Union Sta., Toronto, Ont., 12 mi. line from Fresniere to Renfret Junction, to McDonald & McLeod, 307 Reefer Bldg., Montreal, $100,000. Noted July 24.

Excavation, Drainage, Irrigation

PROPOSED WORK

Mass., Newton—Plans changing course of Laundry Brook through field east of site of proposed new high school on Walnut St. and Elm Rd., to make additional school grounds. $26,122. Address Commissioner Pub. Buildings, City Hall, engr.

Tex., Ennis—Ellis Co., Levee Dist. 6, making plans levee improvements. $15,000. C. T. Forest, Waxahachie, engr.

BIDS DESIRED

La., Lake Charles—Sept. 2, by Police Jury Calcasieu Parish, digging slips for 3 ferry landings on Calcasieu Navigation Channel, 4,000 cu.yd. excav.

La., Lake Charles — Oct. 7, by Police Jury Calcasieu Parish, removing 3,760,000 cu.yd. earth for construction of Calcasieu Ship Channel.

Calif., Meridian—Alameda Sugar Co., Balfour Bldg., San Francisco, taking bids 22 ditches in Meridian Farms sub-division, 50,000 cu.yd. excav. F. H. Tibbetts, Alameda Commercial Bldg., San Francisco, engr.

CONTRACTS AWARDED

Miss., Greenville—Mississippi Refuge Levee work, 93,000 cu. yd. excav., to Elkas & Weathers, Greenville, at $0.41 per cu. yd.

Tex., Ft. Worth—Ft. Worth Club, 6th and Main Sts., excavation for 12 story and basement, 100 x 200 ft., office, store and club building, to Vilbig Bros., Paris St., Dallas, $22,000. Noted Aug. 14.

Calif., Manteca — Bd. Directors South San Joaquin Irrigation Dist., will build 40 mi. canals in district, 450,000 cu.yd. excav., 3,000,000 sq.ft. 1 in. reinforced Gunite lining, by day labor. G. K. Parker, ch. engr. Noted Aug. 7.

Tex., Mercedes—State and Hidalgo Co., 5 mi. levees, to W. L. Pearson, Mercedes, $125,000. Noted Mar. 6.

Calif., Clear Lake — Reclamation of 2,000 acres land, constructing approximately 4 mi. levees, 250,000 cu.yd. earth excav., in Lake Co., to W. Hutchinson, Antioch. Owners name withheld.

Streets and Roads

PROPOSED WORK

Mass., Boston—City plans discontinuing, widening, relocating and constructing portion of Lake St., Brighton Dist., and constructing Brookstone St., West Roxbury. $25,000. J. F. Sullivan, secy. Street Laying-Out Dept., City Hall.

Mass., Dorchester (Boston P. O.)—City of Boston plans paving North Munroe Terrace, Lucere and Arundel Sts., also widening and paving portion of Morton St., here. $25,000. J. F. Sullivan secy., Street Laying-Out Dept., City Hall, Boston.

Conn., Bridgeport—Fairfield Co. plans widening Main St. and Fairfield Ave., Middle and Water Sts., Stratford Ave. to East Main St.; extending Harrison and Broad Sts.; one way streets on either side of Railroad viaducts from junction of State St. and Fairfield Ave., to Main St.; new bridges across Yellow Mill Pond, Black Rock to connect Seaside Park Blvd. with Brewster St., also bridge from foot Howard Ave. to Barnum Dike. $5,000,000. J. A. McElroy, City Hall, engr.

Conn., Madison—Plans widening East River underpass from 23 ft. to 45 ft $56,000.

Conn., New Britain—Plans doubling width of pavement on West St. between Willow and Tremont Sts., 8 to 16 ft. $25,000. J. A. Williams, city engr.

Conn., New Britain—City plans subway conduit and paving Broad St. from Washington to Grove Sts. $25,000. J. A. Williams, city engr.

N. J., Burlington—Plans improving sidewalks on Columbus, Bordentown, Logan, Corson, Hulme, Jones and Thompson Sts. $40,000. B. A. Sleeper, city engr.

N. J., Hopewell—Mercer Co. (Trenton), plans concrete or asphalt paving 1 mi. Broad St., here. $100,000. H. F. Harris, Court House, Trenton, engr.

N. C., Lilesville—See "Waterworks."

Miss., West Point—Clay Co. voted $100,000 bonds for roads.

La., New Orleans — State Hy. Comn., Reymond Bldg., Baton Rouge, plans to pave Claiborne Ave. $500,000. J. M. Formy, ch. engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, made surveys grading and probably gravel or chert surfacing, 15 mi. Waynesboro-Savannah Rd., 16 ft., Wayne Co. J. G. Creveling, highway comr. Noted Mar. 27.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, takes bids about Sept. 14, grading and surfacing 4 mi. Knoxville-Marysville Rd., 18 ft., Knox Co.; grading, bridging, etc., 6 mi. Gates-Lauderdale Co. line Rd., 18 ft., Lauderdale Co., 10 mi. Sect. B., Huntington-Jackson Rd., 18 ft., Carroll Co.; grading, surfacing, bridging, etc., 8.5 mi. Woodburg-McMinville Rd., 18 ft. Cannon Co., probably bituminous penetration on limestone. J. G. Creveling, highway comr.

O., New Comerstown—Plans brick paving State St. from River St. to corporation line. $84,000. State will pay $17,500—its share of cost.

Mich., Detroit—Making plans resurfacing with 3½ in. sheet asphalt on 8 in. concrete Lafayette Blvd. between Vermont and 15th Sts., $4,500, widening and resurfacing between 15th St. and Grand Blvd. $85,000, between Clark and Cavalry Aves., $57,500, between Cavalry and Waterman Ave., $60,000, between Waterman and Beard Aves., $14,000, widening between Scotten and Clark Aves., $12,000, between Beard and Green Aves. $17,500 and between Green and Springwells Aves., $35,000. G. Jerome, city engr.

Mich., Detroit—Made plans paving with 3½ in. sheet asphalt on 8 in. concrete 4,600 sq.yd. Clayton Ave. $23,120, 24,200 sq.yd. Glenfield Ave. $120,700, 13,760 sq.yd. Buckingham Ave. Sect. 2 $68,830, and $13,910 sq.yd. Chalmers Ave. Sect. 4, $69,550. G. Jerome, city engr.

Mich., Detroit—Making plans paving width 3½ in. sheet asphalt in 8 in. concrete 5,200 sq.yd. Richton Ave. $25,820, 3,500 sq.yd. Ilene Ave. $17,320, 7,800 sq.yd. Sherwood Ave. $38,520, 7,300 sq.yd. Dexter Blvd. $36,090, 2,900 sq.yd. Alden Ave. $14,440, also paving 3,250 sq.yd. 2 alleys with one course concrete $8,270. G. Jerome, city engr.

Mich., Detroit—Made plans asphalt paving 11,402 sq.yd. Tireman Ave. $50,000. G. Jerome, city engr.

Ill., Chicago—Bd. Local Impvts., J. J. Sloan, pres., 532 Burnham Bldg., soon takes bids reconstructing and double decking South Water St., incl. four 300 ft. new intersecting streets to lower level, ramping six 300 ft. streets to upper level, removing buildings along north line, constructing 3,300 lin.ft. docks, 60,000 cu.yd. concrete, 114,700 lin.ft. wood piling, etc. $24,000,000. Work to be let in separate contracts or as a whole. T. A. Evans, 532 Burnham Bldg., engr.

Ill., Galesburg—Plans grading and vitr. brick paving 5 blocks Garfield Ave. and East Knox St., $25,000. A. L. Richey, City Hall, engr.

Streets and Roads (Continued)

Ill., Madison—Making plans grading and paving East 3rd St., rein.-con. or brick on concrete, $30,000. Shepard & Morgan, Edwardsville, engr.

Ia., Marshalltown—Making preliminary plans grading and concrete paving Marion St. to Riverview Park. $49,000. O. G. Herm, City Hall, engr.

Ia., Nevada—Making preliminary plans grading and hard surfacing 23 blocks various streets, 28 ft. J. G. Dean, City Hall, engr.

Kan., Winfield—Cowley Co. soon takes bids grading and gravel surfacing 7.19 mi. Federal Aid Project 230-A and B, 18 ft. W. S. Ruggles, Jr., Winfield, engr.

Kan., Osborne—Osborne Co. making preliminary plans grading and gravel surfacing 3.493 mi. Osborne-Prentis Rd., Federal Aid Project 170-D, 18 ft. $25,000. W. B. Honska, Osborne, engr.

Missouri—State Hy. Dept., Jefferson City, plans grading 16.7 mi. roads in Nodaway, Randolph and Callaway Counties 3.295 mi. road, 12 ft., Ripley Co., 4.5 mi. road, 26 ft., Vernon Co., 86,445 mi. roads, 30 ft., in Ray, Randolph, Bates, Johnson, Scott, Marion, Saline, Worth, Holt, Audrain and Cass Counties; concrete surfacing 16.9 mi. roads, 18 ft., Nodaway and Callaway Counties; graveling 21.178 mi. roads, 16 ft., in Nodaway, Callaway, Texas and Webster Counties, 8.885 mi. roads, 18 ft., in Grundy and Callaway Counties; concrete or brick surfacing 8 mi. roads, 18 ft., in Randolph Co.; chats surfacing 5 mi. road, 16 ft., in Vernon Co. B. H. Piepmeier, state highway engr.

Mo., Chillicothe—Making preliminary plans grading, curbing, guttering and paving 8 blocks Anne, Normal and Walnut Sts., 2½ in. bituminous material on 6 in. crushed rock. Address City Engineer.

Mo., St. Charles—St. Charles Co. soon takes bids grading, paving and maintaining graveled macadamized, concrete and rock roads. $200,000. Address County Engineer.

Mo., St. Joseph—Soon takes bids grading and hard-surfacing, 17th, Seneca, Kansas, Cumberland Sts. and alleys, etc. $27,500. W. K. Seitz, City Hall, engr.

Ark., Blytheville—Making preliminary plans grading and rein.-con. or asphaltic concrete paving 7 blocks in Baron and Lilly additions.

Ark., Texarkana—Soon takes bids grading and 6 in. concrete paving 8 blocks Pecan St., 24 ft. between curbs, which are to be 6 in. wide and 12 in. deep. $25,665. Noted Apr. 17.

Tex., Dallas—Making plans widening and opening Bickley Ave. and Gaston Rd. $25,000 plus. E. A. Kingsley, city engr.

Tex., Dallas—Making plans opening and widening Cockrell Ave. from Myrtle to Forest Sts. $25,000 plus. E. A. Kingsley, city engr.

Tex., Greenville—Hunt Co. making plans grading, etc., Jacobia-Greenville Rd. $30,000. R. G. Burtner, co. engr.

Tex., Leakey—Real Co. soon takes bids grading and bridging State Highway 41, State Aid Project 500. $83,000. W. E. Simpson, Natl. Bank of Commerce Bldg., engr. Noted Mar. 13.

Tex., San Antonio — Attorney General's Dept. approved $250,000 bonds widening and opening Market St. from Main Plaza to St. Marys St., also $450,000 bonds permanent paving various streets. J. W. Tobin, mayor. Noted Nov. 15.

Okla., Bartlesville—Plans grading, curbing and concrete paving 9,600 sq.yd. 9 blocks Dewey St. from 5th to 14th Sts. E. D. Kirkpatrick, Bartlesville, engr.

Okla., Cleveland—Plans grading, curbing and concrete paving 9,600 sq.yd. Dist. 4. $37,500. Wood & Fellows, Stillwater, engrs.

Okla., Comanche—Plans grading, curbing and concrete paving 6,600 sq.yd. 5 blocks Hill St. from 1st to 6th Sts. $27,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Enid—Plans grading, curbing and asphalt paving 5,800 sq.yd. 6 blocks streets in Impvt. Dist. 47. $26,000. F. C. McGruder, Enid, engr.

Okla., Guthrie—Logan Co. voted $750,000 bonds grading and paving 50 mi. roads, 18 ft. J. M. Page, Capitol Bldg., Oklahoma City, engr. Noted Aug. 7.

Okla., Oklahoma City — Plans grading and paving 5 blocks Elm and Kellam Sts., 5,200 sq.yd. asphalt, 3,350 lin.ft. curbing, 1,850 cu.yd. excav. $26,300. B. M. Hart, City Hall, engr.

Wash., Tacoma — City and Pierce Co. plan improving and widening Edison Ave. $35,000. W. M. Bosworth, city engr. C. H. Votaw, co. engr.

Ore., Coquille—Coos Co. election Aug. 27, $280,000 bonds for roads.

Calif., Aptos—Making plans rolling and graveling 7 mi. road and extending water supply, sinking 2 wells, installing pumps and building pipe lines, for Dee Park Villa Tract. Townsend, Ambler & Zaagman, Aptos, engrs.

Calif., Long Beach—Made plans concrete curbing, grading, concrete paving, guttering, sidewalks, etc., Hill St. $25,000 or more. R. D. Van Altine, city engr.

Calif., Los Angeles — Los Angeles Co. plans improving 5.96 mi. Pasadena Ave., 7,822 cu.yd. earth excav., 220,820 sq.ft. cement sidewalks, 132,847 sq.ft. gutter, 56,257 lin.ft. cement curbing, 3,673 sq.yd. oil and screenings, etc. $127,281. J. R. Rockhold, Hall of Records, Los Angeles, engr.

Calif., Los Angeles—Los Angeles Co. plans improving Chicago and Leigh Aves. between Brannick and Mt. View Aves., 1,760 cu.yd. excav., 7,198 lin.ft. curb, 27,840 sq.ft. sidewalks, 15,342 sq.ft. gutter; Beck Ave. between Corona and Otis Aves., 1,689 lin.ft. curb, 8,445 sq.ft. sidewalks; Otis Ave. between Baker and Florence Aves., 953 cu.yd. remove and 11,372 sq.yd. replace disintegrated granite base, 4,027 cu.yd. excav., 2,575 lin.ft. curb, 11,227 sq. ft. gutters, 10,225 sq.yd. concrete pavement, $33,612; Pasadena Ave. between 3rd St. and Whittier Blvd., 7, 822 cu.yd. excav., 220,820 sq.ft. sidewalks, 56,357 lin.ft. curb, 132,847 sq.ft. gutter, 3,673 sq.yd. grading and oil surfacing, etc., to exceed $125,000.

Calif., Marysville—Supervs. Yuba Co., soon take bids 5 mi. 5 in. concrete or asphalt paving Arboga Blvd. 16 ft. J. R. Meek, co. surv.

Calif., Marysville—Plans paving portions of 12th, 13th and "I" Sts. $25,000 or more. Work financed by property owners. W. M. Meek, city engr.

Calif., Marysville—Making plans paving various streets incl. portions of Maple and Orange Sts., etc. $25,000 or more. G. W. Richards, city clk.

Calif., Oakland — Alameda Co. making plans paving 4 mi. Byron-Bethany Rd., probably concrete. G. A. Posy, co. surv.

Calif., San Mateo—Made plans improving 3rd St. between A and El Camino Real Sts., 10,500 sq.ft. 4½ in. concrete base, 12,500 sq.ft. 1½ in. asphaltic concrete surface, 1,050 lin.ft. concrete curb and gutter, 750 cu.yd. excav., sewers, etc. C. F. Price, city engr. Noted May 22.

Calif., Santa Monica—Made plans grading, paving with 1½ in. Warrenite bitulithic on 2½ in. asphaltic concrete base, concrete sidewalks, curbs, gutters, sewers, culverts, ornamental street lighting system, watermains, etc., on Bway between Ocean Ave. and 9th St. To exceed $25,000. H. E. Carter, city engr.

Ont., Leamington—Making plans concrete paving Oak and Foundry Sts. $38,000. A. Newman, Davis Blk., Windsor, engr.

Ont., Listowel—Plans concrete paving Inkerman and Division Sts. $35,000. E. D. Bolton, city engr.

BIDS DESIRED

New Hampshire—State Hy. Comn., Concord, taking bids asphalt paving 0.76 mi. in Pembroke, and grading 1.87 mi. in Berlin. $25,000. F. E. Everett, comr.

Massachusetts—Aug. 26, by Dept. Pub. Wks., State House, Boston, paving 75,486 ft. highways in Walpole, Lunenburg, Norwell, Freetown, Marlboro, Chatham, Dracut and Middleboro, all 18 ft. W. F. Williams, comr.

Massachusetts—Aug. 26, by Dept. Pub. Wks., State House, Boston, rein.-con. paving 7,100 ft. highway in Agawam and 22,306 ft highway in Holyoke, both 18 ft. W. F. Williams, comr. This corrects report in Aug. 14 issue.

Mass., Plymouth—Memorial—Aug. 28, by J. D. Leland Co., archts., 41 Mt. Vernon St., and Little & Russell, associated archts., 45 Broomfield St., Boston, 2 story, 100 x 200 ft., brick, plain foundation, here, for Town. $300,000.

N. Y., Brooklyn—Aug. 27, by E. Riegelmann, boro. pres., Boro Hall, asphalt repaving Heyward St., Patchen, Rockaway and Willoughby Aves., granite block repaving 39th St.; grading and sidewalks on Ave. D, Prospect Pl., Rochester Ave., Dean and Bergen Sts.: grading, curbing and flagging West 33rd St.

N. Y., Long Island City—Aug. 26, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., asphalt paving and repaving Astoria, Lefferts, Metropolitan and Woodhaven Aves., Lefferts Blvd., Main, 113th, 115th and 122nd Sts.; grading, curbing and sidewalks on 12th, 88th and Mott Aves., 115th and Lafayette Sts.

N. Y., New York—Aug. 28, by J. Miller, pres. Manhattan Boro., Municipal Bldg., granite block repaving West 16th St. and 3rd Ave., sheet asphalt paving 42nd and 65th Sts.

N. Y., St. George—Aug. 25, by J. A. Lynch, pres. Richmond Boro., Boro Hall, granite block repaving Bay St., concrete repaving Brielle Ave.; and grading Corson Ave.

New Jersey—Aug. 28, by G. C. Bergen, purch. agt. Essex Co. (Newark), grading and 8 in. concrete paving 61,500 sq.yd. Prospect Ave., in Verona (branch of Montclair) and West Orange (branch of Orange). $272,000. W. A. Stickel, Court House, Newark, engr.

N. J., Pensauken—Aug. 25, by Pensauken Twp. Com., Municipal Bldg., 81,800 sq. yd. rein.-con. paving, 19,680 sq.yd. concrete gutters, 20,140 lin.ft. curb, and 8,000 lin.ft. 5 in. terra cotta sewers. Remington & Vosbury, 509 Cooper St., Camden, engrs.

N. J., Trenton—Sept. 8, by State Hy. Comn., 7,102 sq.yd. bituminous macadam pavement, 71,440 sq.yd. borrow excav. on approaches to Mountain View grade crossing, on Route 8, Passaic Co. A. L. Grover, secy.; adv. E. N.-R. Aug. 21.

Pennsylvania—Sept. 9, by Dept. Highways, Harrisburg, concrete paving 18 mi. of ten projects, also rein.-con., and steel viaduct in Westmoreland Co., and gravity type retaining wall in Carbon Co. P. D. Wright, secy.; adv. E. N.-R. Aug. 21.

Pa., Lewistown—Sept. 1, by Boro. Council, grading, etc., West Hale St., 363 cu. yd. excav., 1,908 sq.yd. double seal tarvia, 533 ft. concrete curbing, etc., C. C. Brown, Yeagertown, engr. Noted July 24.

Delaware—Sept. 3, by State Hy. Dept., Dover, constructing 1.96 mi. Contr. CN-21, 1.53 mi. Contr. CS-34, and 0.01 mi. Contr. 25-C.; adv. E. N.-R. Aug. 21.

Maryland—Sept. 2, by State Rds. Comn., Baltimore, concrete paving 1 mi. in Carroll Co., Contr. Cl-54; 6.34 mi. in Prince George Co., Contr. P-48; 1.14 mi. in Wicomico Co. Contr. Wi-26; macadam resurfacing 1.05 mi. in Washington Co., Contr. W-33; graveling 1 mi. in Howard Co., Contr. Ho-50; constructing timber jetty in Worcester Co., Contr. Wo-33. J. N. Mackall, chn.; adv. E. N.-R. Aug. 21.

Md., Baltimore—Aug. 27, by Bd. of Awards, grading, curbing and concrete paving 6,490 sq.yd. streets in Contr. 263-NA, $25,000. R. K. Compton, 214 East Lexington St., chn. Paving Comn.

W. Va., Grantsville—Sept. 2, by S. T. Waldo, clk. Calhoun Co., grading, etc. 4.5 mi. Calhoun-Ritchie Rd., Project 3316-B, State Route 16.

W. Va., Huntington—Aug. 28, by Bd. City Comrs., grading, curbing and paving Ridgewood and Piedmont Rds., 8th and Ohio Aves. and alley between 27th and 28th streets. A. B. Maupin, city engr.

W. Va., Wayne—Sept. 15, by Wayne Co., improving 4.4 mi. Sect. 1, Wilson Creek-Prices Creek Dist. road. H. O. Wiles, Wayne, co. engr.

Alabama—Sept. 10, by State Hy. Comn., Montgomery, improving 8.467 mi. Ozark-Choctwahatchee River Rd., Dale Co., 6,849 acres clearing and grubbing, 90,042 cu.yd. excav. and borrow, 100 cu.yd. rock excav., 43,764 sta.yd. overhaul, 1,089 lin. ft. 10- to 24-in. pipe, 12,406 lb. reinforcing, etc. W. S. Keller, highway engr.

Alabama—See "Bridges."

Ala., Bessemer—Sept. 17, by City Clerk, 7 in. concrete paving 5 blocks 2nd Ave., 60 ft. $45,000. C. E. Cummings, city engr.

Ala., Huntsville—Sept. 10, by Bd. Comrs. Madison Co., paving 2 mi. Whitesburg Pike, 4,000 cu.yd. excav., 21,120 sq.yd. cement, 19,947 sq.yd. Warrenite Bitulithic or bituminous concrete, or 21,120 sq.yd. concrete for one course concrete pavement. S. W. Fleming, chn.

Miss., Winona—Sept. 2, by Bd. Supvrs. Montgomery Co., improving 12.038 mi. Federal Aid Project 19, 7.2 acres clearing and grubbing, 50,489 cu.yd. excav., 27,533 cu.yd. borrow, 382 ft. 18 in. pipe, 678 cu. yd. concrete, 65,322 lb. reinforcing, 9,858 cu.yd. gravel, 27,937 units gravel ½ mi. overhaul, 9.7 mi. bermuda sod, also 20 ft. span bridge, 2,070 ft. piling, 794 cu.yd. concrete, 125,939 lb. reinforcing, 44,450 lb. structural steel, etc. H. C. Dietzer, Jackson, highway engr. Noted Feb. 7.

Louisiana—Aug. 24, by State Hy. Comn., Reymond Bldg., Baton Rouge, 4 mi. State Project 396-A, Lafayette-Abbeville Highway, Lafayette Parish, incl. 228 ft. timber bridge over Bay Isle Des Cannes. J. M. Fourmy, ch. engr.

Louisiana—Sept. 4, by State Hy. Comn., Reymond Bldg., Baton Rouge, 7 mi. State Project 409, from Catahoula-Franklin Parish line to Sicily Island, J. M. Fourmy, ch. engr.

La., Abbeville—Sept. 13, by Police Jury Vermillion Parish, grading, bridging and gravel surfacing 7 mi. road in Dist. 2.

Tennessee—Aug. 29, by State Dept. Hys. & Pub. Wks., Nashville, bituminous surfacing 6 mi. Mountain City-Holston-Bristol-Holston River Rd., State Highway 34, Federal Aid Project 178, Johnson and

Streets and Roads (Continued)

Sullivan Counties. J. G. Creveling, Jr., highway comr.

O., Akron—Aug. 27, by W. F. Peters, dir. Pub. Serv. grading, cindering and laying 14,640 sq.ft. concrete sidewalks, on 3rd Ave., $13,000, 9,850 sq.ft. sidewalks on Brittain Rd., $12,000, 20,515 sq.ft., 4 in. concrete sidewalks on Dayton St., $10,500, grading and cindering 885 ft. Pioneer and Honodle Sts., $4,000, paving, grading, laying 41,200 sq.ft. 4 in. concrete sidewalks, etc., on Lovers Lane, $100,000, paving, grading, curbing and laying 7,300 sq.ft. 4 in. concrete sidewalks on Olive St., $15,000, grading, curbing, paving and laying 19,700 sq.ft. 4 in. concrete sidewalks on Ira Ave. $39,000, also 27,600 sq.ft. Storer Ave., $50,000; resurfacing 3,088 sq.yd. Douglas St., asphalt, $6,000. E. A. Kemmler, 300 Delaware Bldg., engr. Noted July 24.

O., Cincinnati—Aug. 29 by Comrs. Hamilton Co., grading and paving 6.65 mi. Cincinnati-Chillicothe Rd. 16 ft. bituminous macadam with 2 ft. concrete shoulder on each side. $456,188. E. A. Gast, Court House, engr.

O., Zanesville—Aug. 27, by Bd. Control, grading, curbing and repaving West Main St., from "Y" Bridge to the corporation limit. $90,000.

Minnesota—Sept. 2, by State Hy. Dept., St. Paul, improving 16.4 mi. Waseca-New Richmond Rd., State Project 13-27, Federal Aid Project 346, 174,200 cu.yd. excav., Bridge 4264, 50 ft. concrete, Bridge 6262, 30 ft. concrete, $70,000; 14.5 mi. Minnesota Trunk Highway 22, from Gaylord north, 14.5 mi. grading, 75 ft. and 28 ft. concrete bridges, etc., $65,000; 3 mi. Detroit-Shorehan Rd., State Project 30-24, Federal Aid Project 336, 32,900 sq.yd. concrete, $82,000. Eng. Dept., State Hy. Dept., 1246 University Ave., engrs.

Minn., St. Paul — Aug. 26, by H. W. Austin, city purch, agt., asphaltic concrete surfacing 10,565 sq.yd. Capitol Ave. $30,000 G. M. Shepard, city engr.

South Dakota—Aug. 26, by State Highway Comn., Pierre **(F.A.P. means Federal Aid Project)**, grading 18.31 mi. F.A.P. 182-A, Buffalo and Jeraul Counties, 150,794 cu.yd. common excav., 59,044 lb. reinforcing, etc., 9.85 mi. F.A.P. 187-A, Gregory Co., 158,262 cu.yd. common excav., 6,911 lb. reinforcing, etc., 11.1 mi. F.A.P. 170-E, Turner and Minnehaha Counties, 110,100 cu.yd. common excav., 18, 702 lb. reinforcing, etc. F. D. Hudgins, cr. engr.

Tex., Houston — Taking bids paving Washington Ave. from Houston to Yale Sts., bituminous standard or brick on concrete. $300,000. J. C. McVea, city engr. Noted July 10.

Tex., Houston — Taking bids graveling Yupon, Windsor, Indiana, Michigan, Calhoun, Ralph and Willard Sts. $32,000. J. C. McVea, city engr.

Tex., Johnson City — Sept. 5, by W. Martin, judge Blanco Co., grading and adobe surfacing 5.54 mi. State Highway 46, State Aid Project 213-C, 16 ft. J. W. Puckett, Johnson City, engr. Noted Aug. 14.

Tex., Rockwall—Sept. 9, by J. W. Reese, judge Rockwall Co., grading and rein-con. paving 45,000 sq.yd. Rockwall Heath Rd. $50,000. V. R. Smitham, co. engr.

Arizona—Sept. 1, by W. C. Lefebvre, state highway engr., c/o Bd. Supers. Navajo Co., Holbrook, rein-con. or steel on Holbrook-Winslow Highway, Federal Aid Project 40, for State Hy. Dept., Phoenix.

Calif., Glendale — City Trustees taking bids improving Kenilworth Ave., 12,895 sq.ft. grading, 9,024 sq.ft. 3 in. macadam paving, 1,835 sq.ft. sidewalks, 367 lin.ft. curb, 359 ft. 6 in. Class "B" c.i. water mains, also Idlewood Rd., 145,832 sq.ft. grading, 97,953 sq.ft. 3 in. oil macadam paving, 27,207 sq.ft. sidewalks, 3,070 sq.ft. gutter, 6,721 lin.ft. curb, sewers, water mains, etc. B. F. Dupuy, city engr.

Calif., Glendale — City Trustees taking bids improving Elm and Linden Aves., etc., 773,355 sq.ft. grading, 384,800 sq.ft. 3 in. oil macadam paving, 3,392 sq.ft. 5 in. concrete paving, 27,450 lin.ft. curbing, 120,986 sq.ft. sidewalks, 29,470 sq.ft. gutter, sewers, etc. B. F. Dupuy, city engr.

Calif., Hermosa Beach—Taking bids improving Prospect Ave. between Pier Ave. and Redonda City limits, 30,000 sq.yd. 6 in. concrete paving, 6,890 sq.yd. lin.ft. "A" and 10,723 ft. "B" concrete curb, 29,030 cu.yd. cut. Former bids rejected. V. H. Staheli, city engr. Noted Aug. 14.

Calif., Inglewood—Taking bids improving Damask Ave., etc., 320,862 sq.ft. grading, 8,122 ft. curb, 39,052 sq.ft. sidewalks, 9,996 sq.ft. gutters, 75,335 sq.ft. 5 in. macadam and 99,880 sq.ft. 5 in. asphaltic concrete paving, etc.

Tex., Leakey—Aug. 26, by J. L. Youngblood, judge Real Co., grading, bridging, etc., 18.07 mi. State Highway 41, State Aid Project 500. $83,000. W. E. Simpson Co., Natl. Bank of Commerce Bldg., San Antonio, engr. Noted Mar. 13.

Calif., Los Angeles—Aug. 25, by Bd. Pub. Wks. Warrenite bitulithic, concrete sidewalks and guttering, Mariposa Ave.; concrete paving, curbing, guttering and sidewalks on 81st St.; concrete paving, remodeling oiled surface, curbing and sidewalks on 4 alleys. Address City Engineer.

Calif., Los Angeles—Aug. 25, by Bd. Pub. Wks. improving Hollyridge Dr. between Graciosa Dr. and point 1,483 ft. north of Rutherford Dr., 52,272 sq.ft. 5 in. concrete paving, 4,675 lin.ft. curb, etc.; Burlington Ave. between 1st and 6th Sts., 13,790 sq.ft. 8 in. asphalt, 308 sq.ft. 5 in. concrete, 2,085 sq.ft. 2 in. bitulithic base, 98,074 sq.ft. Warrenite bitulithic paving, 4,295 lin.ft. curb, 15,732 sq.ft. sidewalks, 6,479 sq.ft. gutter, etc.; 78th St., between San Pedro and Main Sts., 34,921 sq.ft. Warrenite bitulithic paving, etc.; Sanborn Ave. and Rector Pl. Impvt. Dist., 12,700 sq.ft. oiling and rolling; 63rd St. between Normandie and Western Aves., 4,242 sq. ft. 5 in. concrete paving, 131,956 sq.ft. oiling and rolling, 10,159 lin.ft. curb, 49,430 sq.ft. sidewalks, 21,921 sq.ft. gutter; Norumbega St. between 39th St. and 39th Pl., 6,867 sq.ft. 5 in concrete paving, 105 sq.ft. remodeling oiled surface. Address city engineer.

Calif., Salinas — Sept. 2, by Supervs. Monterey Co., macadam or asphaltic concrete paving 1.25 mi. Alisal Rd., 18 ft., in Road Dist. 2. H. Cozzens, co. surv.

Calif., San Francisco—Bd. Pub. Wks. taking bids improving Vicente St. between 14th and 19th Aves., 19,592 cu. yd. cut, 8,225 cu. yd. fill, 2,878 lin. ft. concrete curb, 85,392 cu. yd. sq. ft. asphaltic concrete, 3,000 sq. ft. art stone sidewalks. $57,000. M. M. O'Shaughnessy, city engr. Noted Mar. 20.

Quebec—Aug. 29, by J. L. Boulanger, deputy minister highways, Quebec graveling 86,770 ft. Beauce-Junction-Sherbrooke Highway, in Victoriaville and Woburn. A. Fraser, ch. engr.

BIDS RECEIVED

New York—A. W. Brandt, comr. State Hy. Dept., Albany, **(R. C. means Repair Contr. and e.e. means engineer's estimate.)** constructing and reconstructing 5.02 mi. R.C. 1426, Erie Co., from Greenfield & Harding, Hornell, $217,962, e.e. $234,139; 2.04 mi. R.C. 3097, Broome Co., from Tyne & Willey, Binghamton, $79,743, e.e. $93,343; 5.18 mi. Highway 8187 Delaware Co., from Hanratty Constr. Corp., 605 Beach Terrace, New York City, $331,659 e.e. $369,596; 2.45 mi. R.C. 3096, Chemung Co., from McKibben Rockwell Corp., Hornell, $100,892, e.e. $112,531; 9.39 mi. Highway 8181, Suffolk Co., from Westchester Constr. Co., Wading River, $364,573, e.e. $434,394; 4.5 mi. R.C. 3100, Cortland Co., and 3.43 mi. R.C. 3094, Allegheny and Cattaragus Counties, from H. W. Patterson, Hornell, $156,346, e.e. $181,931 and $132,426, e.e. $154,148 respectively; 2.04 mi. R.C. 1424, Erie Co., from Oatka Eng. & Contg. Co., Warsaw, $90,530, e.e. $104,628; 5.67 mi. R.C. 3095, Orange Co., from H. H. Smith, Inc., Middletown, $332,655, e.e. $341,500; 7.66 mi. Highway 8186, Oneida Co., from Wing & Munger, Holley, $271,174, e.e. $288,719; 7.96 mi. Highway 1643, Orange Co., from A. A. Johnson Corp., Queens Blvd., Long Island City, $207,062, e.e. $230,755; 9.43 mi. R.C. 3098, Lewis Co., from Dale Eng. Co., Mann Bldg., Utica, $338,862, e.e. $381,172; 6.01 mi. Highway 8189, Oswego Co., from Spellman-Oliver Co., Chateauguay, $245,849, e.e. $272,552; 3.62 mi. R.C. 3099, Albany Co., from Malloy Constr. Co., Schenectady, $156,009, e.e. $174,371. Noted July 17.

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, Aug. 13, from Cranford Co., 52 9th St., asphalt paving and repaving Buffalo Ave., $39,063, from Uvalde Asphalt Paving Co., 1 Bway., New York, Hinsdale Ave. $12,690, Lawrence St., $24,434. Saratoga Ave., $21,104; from Carberry & Block, granite block paving Knickerbocker Ave., $24,191; from Harris & Bernhardt, Central Ave., asphalt block paving 21st St. $30,741.

N. Y., New York—Dept. Educ., 500 Park Ave., Aug. 12, grading, surfacing, etc., playground at East 189th St. and Lorrilard Pl., from I. F. Cavaluzzo, 1538 Walton Ave. $21,000.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., Aug. 11, from Asphalt Constr. Co., 208 Bway., granite block repaving Telegraph Sq. $26,158, Hudson St. $55,266, Duane St. $23,163, 45th St. $19,060; from Uvalde Asphalt Paving Co., 1 Bway., stone filled sheet asphalt repaving 69th St. $11,730; from Cleveland Trinidad Paving Co., Flushing, repairing asphalt pavement in railroad area $67,800. Noted Aug. 7.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, bituminous concrete repaving Richmond Rd. and North Burgher Ave., from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $23,169 and $25,056 respectively granite block repaving Richmond Terrace, from J. J. Johnson Sons, 455 Bway., New Brighton, $84,572. Noted Aug. 7.

New Jersey—State Hy. Comn., Trenton, Aug. 11, widening Route 3, Sect. 12, Whitehorse Pike, Atlantic Co., from Smith Bros., Hackettstown, $84,044. Noted July 24.

Maryland—State Rds. Comn., Baltimore, improving 6.23 mi. State Highway from Dentsville to La Plata, Contr. CH-29, Charles Co., from St. Mary's Constr. Co., Mechanicsville, $56,914; 4 mi. State Highway along Rockville Pike from end of existing concrete shoulders towards Rockville, Cont. M-25-B, Montgomery Co., from G. R. Abbott & Son, 3307 Batemen Ave., Baltimore, $43,710; 0.5 mi. State Highway from State Rd. through Newark, Contr. WO-38, Worcester Co., from Hannemann-Burroughs Co., Salisbury, $11,622; 1.27 mi. State Highway from Crumpton and Pondtown, Contr. Q-32, Queen Anne's Co., from C. Webster Constr. Co., East New Market, $18,975.

O., Dennison—Trinadad asphalt paving 1st, North 3rd and East Centre Sts., from Federal Asphalt Co., Main and D Sts., Hamilton, $65,274. Noted July 24.

Mont., Missoula — Bureau Pub. Rds., grading 4.5 mi. Lolo Pass Highway, Summit-Haskell Creek Sect., from W. L. Geist, St. Maries, Idaho, $76,499; 6.8 mi. West Gallatin Park Sect., from J. S. Haley, 119 West Lamme St., Bozeman, $41,495.

Tex., Sonora—A. Johnson, judge Sutton Co., July 25, gravel surfacing 21,773 sq.yd. State Highway 10-A, Federal Aid Project 379, from R. B. Sparks, Gaston Bldg., Dallas, $17,631. Noted July 10.

Wash., Seattle—Bd. Pub. Wks., from J. B. Covello, 1510-16th St. S, improving North 49th St., et al, 1,450 lin.ft. integrated asphalt concrete curbing at $0.60 per lin.ft., 9,750 lin.ft. concrete gutter $0.30, 18,060 sq.yd. 6 in. concrete paving $1.65, clearing $1,500, 4,500 cu.yd. subgrade $0.60, total $57,537, engrs. est. $65,673; from J. B. Stillwell, Henry Bldg., improving Blocks 2 and 6, Golf Heights addition and 12th St. S, 48,000 cu.yd. grading at $0.85, etc., total $53,899, engrs. est. $42,737.

CONTRACTS AWARDED

New Hampshire—State Hy. Dept., Concord, highways and bridges in Orange, to J. F. Kennedy, Inc., 53 State St., Boston, Mass., $26,114, in Rochester, to O. Marino, Swampscott, Mass., $16,503, in Fitzwilliams, to R. E. Bull, Fitchburg, Mass., $49,945, in Greenville, to P. J. Keating, Fitchburg, Mass., $13,470, in Bethlehem, to S. D. Tilton, Lewiston, Me., $14,173, in Henniker and Antrim, to A. D. Bridges & Sons., Inc., Hazardville, Conn., $22,662 and $26,854 respectively, in Farmington, to Ames Constr. Co., Somersworth, $8,666. Noted June 26 and July 31.

Massachusetts — Dept. Pub. Wks., Div. Highways, State House, Boston, graveling 4,100 ft. highway in East Bridgewater, to A. McCordick, 825 Central St., East Bridgewater, $8,373, 2,400 ft. highway in Norfolk, to Washburn and Sheridan, East Taunton, $4,835; bituminous macadam paving 100,037 ft. highway in Methuen, to T. G. Jewett, Jr., Inc., New Bedford, $78,696, 2,400 ft. highway in Hanson, to Washburn & Sheridan, East Taunton, $11,992, 6,600 ft., highway in Barre, to A. D. Bridges & Sons, Hazardville, Conn., $58,467; rein.-con. paving 10,592 ft. highway in Seekonk, to J. McCormick, East Providence, R. I., $119,436; rein.-con. beam bridge in Bridgewater and Middleboro, to W H. Barker, Taunton, $19,408. Noted Aug. 14.

Mass., Boston—Dept. Pub. Wks., City Hall, recut granite block paving Congress St., to M. F. Gaddis, 2A Victoria St., Dorchester, $19,765. Engrs. est. $25,000. Noted July 24.

Conn., New Britain—Widening, guttering and curbing Stanley St. from Hartford Ave. to Allyn St., to J. Battaglia, 737 West Main St. Engrs. est. $25,000.

Conn., New Britain—Paving Park St., to W. H. Hall Constr. Co., Plainville Rd. Engrs. est. $25,000.

Streets and Roads (Continued)

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sidewalks underneath Pelham Bay Park Sta., to P. Castelli, $3,191; **grading, curbing and** sidewalks on Needham Ave., to T. Di-Roma, $18,533; **sheet asphalt paving Grand** Blvd., to L. De Minna, 2366 Lorrilard Pl., $8,550; ashpalt repaving East 157th St., to Regan Tiwers Co., 124 West 121st St., $12,626. Tinton Ave., to Brusstar Constr. Co., Harlem River and 150th St., $15,515. Noted Aug. 14.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, granite block repaving Jersey St., to Colgan & Colgan, 324 Jay St., Brooklyn, $38,951.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, curbing Old Town Rd. and Louis St., etc. to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $10,090 and $3,300 respectively. Noted Aug. 14.

N. Y., Schenectady—Paving 0.68 mi. Van Krauken Ave., to Kellum-Shaefer Co., Schenectady, $45,926. Engrs. est. $48,000.

N. J., Belvidere—Warren Co., paving 4½ mi. Riegelsville-Warren Glen Rd., to W. Eisenberg & Co., Woodbine, $147,037. Noted July 24.

N. J., Sayreville—Middlesex Co. (New Brunswick), concrete paving Main St., here, to Utility Constr. Co., 5 Spring St., New Brunswick, $89,124. Noted June 12.

N. J., Trenton—Mercer Co., concrete paving 13,700 sq.yd. Sullivan Way, to R. S. Barrett, 139 Hoffman Ave., $80,125. Noted July 24.

Pa., Phila. — Bureau Highways, Dept. Pub. Wks., grading Atwood St., to Brown & Canuso, 6524 Landsdowne Ave., $3,012, Bridge and Horrocks Sts., to Buckley & Banks, 1141 South Broad St., $5,160; asphalt paving Aikins St., Haddington, Leeds and 66th Sts., to Union Paving Co., 30th and Locust Sts., $2,494 and $24,167 respectively, Pratt St., to Mack Paving & Constr. Co., Nicetown Lane and Luzerne Sts., $9,893; improving country roads, Gates and Summit Aves., to M. J. McCrudden, 1134 Real Estate Trust Bldg., $6,490.

Maryland—State Hy. Dept., Baltimore, asphalt paving 24,000 sq.yd. Park Ave. from Monument to Richmond Sts. and North Ave. from Harford to Greenmount Aves., to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R., $67,159. Noted Aug. 14.

W. Va., Huntington—Doubling width of Piedmont Rd. and widening Adams Ave., 4 in. brick on concrete, asphalt filler, to Gerchow & McGinnis, 1748 12th Ave., Huntington, $68,450. Noted July 31.

Ala., Haleyville — Asphalt surfacing 6 blocks in business section, 40 ft., to Muscle Shoals Constr. Co., Haleyville, $25,000. Noted June 6.

Ala., Jasper—Walker Co., grading, etc., for hard surfaced road 12 mi. Jasper-Oakman Rd., 24 ft., to H. N. Donohoo, 2701 2nd Ave., Birmingham, $65,000.

Miss., Carrollton—J. R. Bingham, G. I Reddett and E. M. Hemphill, comrs. Carrol Co. improving highway north and south, to S. B. Boyd, Columbus. Engrs. est. $37,000.

Miss., Carrolton—Carroll Co. grading and gravel surfacing Carrolton Highway, to S. M. Boyd, Columbia, Miss., excav. and borrow $0.30 per cu.yd., clearing and grubbing $75 per acre, graveling, 1 mi. haul, $0.90.

Miss., Pass Christian — Paving 5 mi. streets, to Southern Paving Constr. Co., Chattanooga, Tenn. $80,000.

Miss., Pontotoc—Pontotoc Co., grading, paving, etc., 8.081 mi. Federal Aid Project 171-A, to Nixon & Phillips, New Albany, $79,488. Noted July 17.

Kentucky—State Hy. Dept., Frankfort **(S.P. means State Project)**, surface treating 7 mi. Marysville-Lexington Rd., 16 and 18 ft., S.P. 20-L, Mason Co., and 3.2 mi. Lexington-Harrodsburg Rd., 16 ft., S.P. 47-F, Jassamine Co., to Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, $11,271 and $4.780 respectively; creek gravel surfacing 7.623 mi. Owingsville-Sharpsburg Rd., 14 ft., S.P. 61-A, Bath Co., to Godfrey Miller Co., Visalia, $95,841; bank gravel surfacing 14.032 mi. Marion-Princton Rd., 14 ft., S.P. 10-C, Caldwell Co., to M. C. Boyd Co., Hopkinsville, $93,062, 8.309 mi. Greenville-Nortonville Rd., 16 ft., S.P. 10-F, Muhlenberg Co., to Corum Bros., Madisonville, $101,082, 10.303 mi. Central City-Calhoun Rd., 16 ft., S.P. 10-F, Muhlenberg Co., to N. E. Stone & Co., Madisonville, $88,073; bank gravel or waterbound macadam surfacing 7.312 mi. Marion-Princton Rd., 14 ft., S.P. 10-C, Crittenden Co., to Costello Bros., Henson Bldg., Knoxville, Tenn., $50,940; rein.-con. surfacing 15.039 mi. Olive Hill-Grayson Rd., 16 ft., S.P. 47-E, Carter Co., to L. Des Cognets Co., 413 East Main St., Lexington, $408,226, 2.392 mi. Louisville-Paducah Rd., 18 ft., S.P. 8-C, Daviess Co., to C. L. Hart, Booneville, Ind., $70,429; grading 16.559 mi. Somerset-Whitley Rd., 24 and 28 ft., F.A.P. 110, Pulaski Co., to Mason Hanger Co., Richmond, $188,861, 2.2603 mi. Jenkins-Pound Gap Rd., 24 and 38 ft., S.P. 6-C, Letcher Co., to Codell Constr. Co., Winchester, $76,356, 3.167 mi. Harlan-Pineville Rd., S.P. 6-C, Harlan Co., to Eastern Constr. Co., Harlan, $42,528.

Ohio—Dept. Highways and Pub. Wks., Columbus, to Dale & Krout, Mt. Blanchard, grading, bridging and paving 0.283 mi. Sect. Arlington South, Findlay-Kenton Rd., Hancock Co., asphalt, $10,406, to A. J. Baltes. Norwalk, 0.848 mi. Sect. G-2. Oberlin-Norwalk Rd., Huron Co., brick, $24,808, to Elyria Constr. Co., 220 Elyria Blk., Elyria, 0.333 mi. Sect. Oberlin, Ashland-Oberlin Rd., Lorain Co., concrete $15,657, 1.04 mi. Sect. P, Medina Elyria Rd., Lorain Co., asphaltic macadam, $25,647, to H. J. Hart, Elyria, 2.013 mi. Sect. F, Medina-Norwalk Rd., Lorain Co., bituminous macadam, asphalt, $31,731, to V. Olson Constr. Co., 508 Mahoning Bldg., Youngstown, 2.522 mi. Sect. A, Youngstown-Lisbon Rd., Mahoning Co., brick, $66,267 and $95,582, to J. W. Cary, Ada, 3.918 mi. Sect. M, Zanesville-Cincinnati Rd., Muskingum Co., macadam, $70,865, to Stuart, Beatrice & Keener, Maxahala, 0.289 mi. Sect. Somerset, Newark-New Lexington Rd., Perry Co., brick, $15,830, to W. H. Ringwald, Chillicothe, 0.998 mi. Sect. N, and 1,732 mi. Sect. W, Portsmouth-Columbus Rd., Ross Co., brick $51,348 and $48,546 respectively, 0.119 mi. Sect. G-2, Chillicothe-Lancaster Rd., Ross Co., brick, $3,910, to W. C. Brown, Chillicothe, 1 mi. Sect. J-1 and Bainbridge, Chillicothe-Hillsboro Rd., Ross Co., brick, $33,757 and $13,179, to Daley Bros., Bolivar, 0.422 mi. Sect. N, Uhrichsville New Comerstown Rd., Tuscarawas Co., rein.-con., $16,051, to W. H. Heiby Co., Marietta, 1.118 mi. Sect. K-1 Marietta Cambridge Rd., Washington Co., rein.-con., $40,312, to U. S. Constr. Co., Upper Sandusky, Sect. B-1, Kenton-Upper Sandusky Rd., Wyandotte Co., Kentucky rock asphalt, $25,375; to E. T. Paul, Zanesville, graveling Sect. R, Zanesville-McConnellsville Rd., Muskingum Co., $4,856, to Acme Constr. Co., Newark, 0.47 mi. Sect. Northfield, Twinsbury-Elyria Rd., Summit Co., $15,568, to W. J. Hayes, 2655 East 122d St., Cleveland, 4.929 mi. Sect. K, McArthur-Athens Rd., Vinton Co., $47,498.

O., Garfield Heights (Cleveland P. O.)—Curbing, guttering and vitr. brick paving Christian, Maplerow, North Drive, Russell, Thornhurst, East 117th and 139th Sts., to Enterprise Paving & Constr. Co., 8444 Bway., Cleveland, $154,509; curbing and asphalt paving Avondale, Greenview and Parkview Aves., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $46,680. Noted July 10.

O., New Philadelphia—Trinadad asphalt paving, 14th and East 6th Sts., to C. G. Fuller, Dover, $70,689.

O., Warren—To Smith Eng. Co., Warren **(e.e. means engrs. est.)**, paving McKinley Ave. $25,651, e.e. $30,000, Sterling Ave. $28,584, e.e. $30,000, Locust Ave. $25,858, e.e. $25,000, all brick; to F. L. Geiger, Warren, Pleasant Ave., brick, $32,336 e.e. $35,000; to H. F. Cowles, Ravenna, Palmyra Rd., oil asphalt, $37,426, e.e. $40,000; to V. Olsen Constr. Co., 508 Mahoning Bank Bldg., Youngstown, North Tod Ave., oil asphalt, $87,901, e.e. $90,000. Noted Feb. 14.

Michigan — State Hy. Dept. at office Comrs. Kalamazoo Co., Kalamazoo, grading and surfacing 8.346 mi. State Trunk Line Rd. 13-31, 97,900 sq.yd. concrete, to H. A. Hoxie, Grand Rapids, $191,736. Noted July 24.

Michigan — State Hy. Dept., Lansing, grading and surfacing 1.313 mi. State Trunk Line Rd. 13-52, Allegan Co., 15,390 sq.yd. concrete, to H. A. Hoxie, Grand Rapids, $27,153.

Michigan — State Hy. Dept., at office Comrs. Ionia Co., Ionia, grading and surfacing 0.952 mi. State Trunk Line Rd. 21-20, to White Constr. Co., 130 Wells St., Chicago, Ill., $30,268. Noted July 24.

Michigan—State Hy. Dept. Lansing, will pave 4.259 mi. State Trunk Line Rd. 23-12 A, St. Joseph Co., 11,993 gal. bituminous concrete, and 4.319 mi. State Trunk Line Rd. 23-12 B, St. Joseph Co., 12,162 gal. bituminous concrete, by day labor. G. C. Dillman, ch. engr.

Michigan — State Hy. Dept., Lansing, grading and surfacing 6.408 mi. State Trunk Line Rd. 53-7 B, Macomb Co., 68,477 sq.yd. concrete, to J. McKay & Son, Detroit, $164,892; 2.998 mi. State Trunk Line Rd. 53-13 A, Macomb Co., 62,234 sq.yd. concrete, to T. E. Currie, 20 McGraw Bldg., Detroit, $190,188.

Mich., Detroit—To Detroit Asphalt Paving Co., 909 Free Press Bldg., grading and paving with 3½ in. sheet asphalt on 8 in. concrete, 10,200 sq.yd. Cloverlawn Ave. $49,042, 28,200 sq.yd. Chalmers Ave. Sect. 2 $129,755, Prairie Ave. Sect. 2 $10,668, 10,000 sq.yd. Roselawn Ave. $48,018, 6,200 sq.yd. Van Dyke Ave. Sect. 1 $26,901, 3,900 sq.yd. Woodlawn Ave. $18,529, 9,560 sq.yd. Northlawn Ave. $46,796, 15,900 sq.yd. Chalmers Ave. Sect. 1, $73,039, 26,500 sq.yd. Chalmers Ave. Sect. 3, $104,749, 13,000 sq.yd. Schoolcraft Ave. $61,050; to Cooke Asphalt Paving Co., 1260 Penobscot Bldg., 18,900 sq.yd. Davison Ave. $85,192, 7,740 sq.yd. Main St. Sect. 3, $38,723; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 4,300 sq.yd. Fairfield Ave. Sect. 1, $21,582, 3,700 sq.yd. Princeton Ave. Sect. 3, $17,777.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Sect. X, and grading Sect. Y-1, S. B. I. Route 7, La Salle Co., to Trompeter & Sons, Peru, $44,500.

Ill, Galesburg—Grading, paving, etc., 4 blocks East 3rd St., 4,218 sq.yd. vitr, brick on 4 in. concrete, 3,060 cu.yd. combined concrete curb and gutter 3,800 cu.yd. excav., 175 lin.ft. 10 in. vitri. clay pipe, etc., to Graham-King Constr. Co., 550 South Cedar St., Galesburg, $17,753, 3 blocks Blaine Ave., 3,366 sq.yd. vitr. brick on 4 in. concrete, 2,520 lin.ft. combined concrete curb and gutter, 2,540 cu.yd. excav., etc., to H. H. Gunther, 600 East Main St., $12,626. Noted Aug. 7.

Ia., Primghar—O'Brien Co., to N. Nelson, Sanborn, grading various roads, 136,370 cu.yd. excav. $0.223 per cu.yd., 688 ft. culvert pipe $0.30, 272 ft. culvert pipe $0.40, 11,400 ft. 6 in. tile drain $0.0975, 302 ft. 8 in. tile drain $0.144, 1,500 ft. 10 in. tile drain $0.21, 12 intakes $15.00 each. Noted July 24.

Ia., Sioux City—Surfacing 3,300 sq.yd. South Carolina St., 4 blocks South Patterson St., concrete, 3,300 sq.yd. 36th St. and 1 alley, to P. C. Hansen & Son, 1422 Court St., $25,000.

Ia., Waterloo—Paving about 33 blocks and resurfacing 23 blocks various streets, Trinidad lake asphalt and vibrolithic concrete, to Bryant Asphalt Paving Co., 807 Black Hawk Bldg., $150,483. Noted July 10.

Minnesota—State Hy. Dept., St. Paul—**(S. P. means State Project, F. A. P. means Federal Aid Project)**, grading 150,000 cu.yd. Sauk Center-Freeport Rd., S. P. 3-45, Sect. 1, F. A. P. 363, to C. Johnson, 315 Central Bank Bldg., $47,220; grading and concrete paving 30,465 sq.yd. same road, at Sauk Center, paving 31,375 sq.yd., same road, at Melrose, to Ostrand & Hallet, Crosby, $82,604 and $106,446 respectively; grading 240,000 cu.yd. Jordon-South Scott Co. line Rd., S. P. 5-30, F. A. P. 345, to J. J. and M. S. Mergens, 400 Temple Court, Minneapolis, $72,730, 110,415 cu.yd., Shakopee-Jordon Rd., S. P. 5-36, F. A. P. 345, to D. W. Moore, 894 Edmund St., St. Paul, $32,134, 164,360 cu.yd. Wheaton Rd., S. P. 6-42, F. A. P. 343, to M. Rudnick, Alexandria, $45,632, 145,156 cu.yd. Wolverton Rd., S. P. 6-43, F. A. P. 343, to S. G. Enebek, Warren, $36,976.

Minn., Sauk Center—Improving Main St., 9,557 sq.yd. asphaltic concrete paving, 3,500 lin.ft. curb and gutter, to Welsh Paving Corp., 703 1st. Natl. Soo Line Bldg., Minneapolis. $29,981.

Minn., Waseca—Waseca Co. grading, etc. 11.1 mi. Job 2402, State Road 9, 95,000 cu.yd. excav., 125,000 cu.yd. overhaul, to Glencoe Constr. Co., Glencoe, $29,109. Noted July 10.

Minn., Willmar—Kandiyohi Co., grading 6 mi. Job 2402, State Aid Rd. 17, 68,824 cu.yd. excav. and 38,778 cu.yd. overhaul, to Olson & Carlson, 3338 Lyndale Ave. N. Minneapolis, $16,341, 8 mi. Job 2403, State Aid 16, 36,114 cu.yd. excav., 36,223 cu.yd. overhaul, to De Ruyter Bros., Renville, $8,469; 1,928 lin.ft. 12- to 30-in. culverts on above, to Elk River Concrete Products Co., Elk River, $3,193.

Kan., Eskridge—Brick and asphalt paving, concrete curbing and guttering, etc., 7,944 sq.yd. various streets, to M. R. Amerman, 246 North Market St., Wichita, $25,942.

Kan., Independence — Montgomery Co., improving 2.81 mi. Federal Aid Project 199-B, to J. O'Leary, Cherryvale, $22,640. Noted May 29.

Streets and Roads (Continued)

N. D., Fessenden—Wells Co., grading 17 mi. Federal Aid Project 210, Sects. A and B, 127,078 cu.yd. earth and 4,580 cu. yd. rock excav. etc., Sect. A, to C. M. Padgett Leeds, $24,557, and Sect. B, to Homan & Wenster, Turtle Lake, $19,920. Noted July 31.

Wyo., Casper—City Council, improving Paving Dist. 46, 40,000 sq.yd. 2 in. warrenite-bitulithic with seal coat on 4 in. concrete, to Warren Constr. Co., Box 521, Casper, $162.500. Engrs. est. $186,686. Noted July 24.

Montana—State Highway Dept., Helena, improving 1.95 mi. Yellowstone Trail Highway, 30 mi. south of Livingston and 0.8 mi. rock road, Forest Highway project, in Yankee Jim Canyon, both Park Co., to L. T. Lawler, Rialto Bldg., Butte, $72,098.

Mont., Belton — Flathead Co., grading, etc., 8 mi. Logan Pass Rd. through Glacier Park, to Stevens Bros., 15 Piedmont Bldg., St. Paul, Minn., $53,000.

Mont., Missoula—Missoula Co., grading 3.81 mi. Nine Mile Sect. of Yellowstone Trail, 16 ft., to B. Helean, Missoula, Mont., $58,772; concrete girder bridge over Nine Mile Creek, to J. F. Harrington, 443 Plymouth St., $11,258.

Mo., Independence—Jackson Co., grading and concrete paving 6 mi. Independence-Lees Summit Rd., 18 ft., to E. D. Tyner Constr. Co., 14th and Elmwood Sts., Kansas City.

Ark., Clarendon—Monroe Co., grading and gravel surfacing 6 mi. Brinkley Highway, Road Impvt. Dist. 4, 18 ft., to W. D. Banker Constr. Co., Memphis, Tenn., approximately $32,000.

Ark., Marianna — Lee Co., improving Federal Aid Project 190-A, to W. B. Banker Constr. Co., 104 North Parkway, Memphis, Tenn., $30,353. Noted Aug. 14.

Tex., Hillsboro—W. L. Wray, judge Hill Co., concrete paving 174,000 sq.yd. State Highway 2, to J. C. Fields & Co., Denison, $416,000. Engrs. est. $410,000. Noted July 31.

Tex., Rock Springs—Edwards Co., grading and surfacing, etc., 9.77 mi. Highway 41, 16 ft., crushed and slag stone, to Ririe & Montgomery, Almo Bank Bldg., San Antonio, $111,404. Engrs. est. $125,772. Noted Aug. 14.

Okla., Muskogee—Sheet asphalt paving various streets, to Gravelle & Hamblin, Inc., Muskogee, $40,451. Noted Jan. 3.

Okla., Muskogee — Improving 9 blocks Denver Ave., 8,600 sq.yd. concrete, 5,600 lin.ft. curbing, 2,850 cu.yd. excav., to Gravelle-Hamblin Co., Commercial Natl. Bank Bldg., $40,451. Engrs. est. $43,000. Noted May 29.

Okla., Oklahoma City—Improving Pennsylvania Ave. adjacent to Western League Park, Sects. 31 and 32, 5,400 sq.yd. asphalt, 3,400 lin.ft. curbing, 2,000 cu.yd. excav., to Western Paving Co., Tradesmens Bldg., Oklahoma City, $29,562. Engrs. est. $30,000.

Okla., Tulsa—To H. L. Cannady Co., 1122 South Lewis St., improving streets in Dist. 548 $15,271, Dist. 549 $36,923, Dist. 550 $15,575, Dist. 551 $7,397, Dist. 552 $12,618, Dist. 553 $7,587, Dist. 554 $31,984, Dist. 555 $23,111, Dist. 556 $14,553, Dist. 557 $8,579, Dist. 558 $29,676, Dist. 559 $4.437. Dist. 560 $49,014, Dist. 561 $2.120, Dist. 562 $2,066, Dist. 564 $4,204, Dist. 565 $21,113, Dist. 566 $2,458 and Dist. 568 $2,225; to Western Constr. Co., 815 Daniels Bldg., Dist. 569, $4,010.

Colorado — State Hy. Dept., Denver, grading 1.88 mi. Independent Pass National Forest Rd. Project, Pitkin Co., to A. Swanson, 2453 Race St., Denver, $61,484.

Washington—State Hy. Comn., Olympia, to Williams & Douglas, Tacoma, improving 1.23 mi. State Rd. 12, McCormick Bridge approaches, Lewis Co., 15,250 cu.yd. earth excav. at $0.45 cu.yd., 860 cu.yd. loose rock excav. $0.90, 4,730 sq.yd. solid rock excav. $1.60, total $27,655; to A. L. Clark, Tacoma, 0.6 mi. Pacific Highway, with concrete approach to La Center Bridge, Clarke Co., 1,800 cu.yd. earth excav. $0.60, 6,360 sq.yd. full concrete $3.05, 519 sq.yd. half concrete $3.14, total $27,445; to Morrison & Knudeson, Railroad and Reclamation Aves., Boise, Idaho, 14.2 mi. Pacific Highway, Snohomish and King Counties, 293,680 cu.yd. earth excav. $0.36, 1,930 cu.yd. rock excav. $0.60, 108.93 acres clearing $125, 88.71 acres grubbing $400, total $224,775; to L. Coluccio, 1642 Lane St., Seattle, 5.5 mi. Inland Empire Highway, Yakima Co., 850 cu.yd. earth excav. $0.50, 6,710 cu.yd. sub-grade $0.60, 65,575 sq.yd. concrete $2,52, total $173,195. Noted July 10.

Wash., Seattle—Bd. Pub. Wks., grading, curbing and concrete paving, 8,550 sq.yd., Meridian Ave., et al, to R. G. Stevenson, 1327 North 34th St., $26,367. Engrs. est. $29,135. Noted Aug. 14.

Oregon—State Hy. Comn., Salem, grading, etc., 8 mi. Jordan Valley Market Rd., Malheur Co., to Morrison-Knudeson, Railroad and Reclamation Aves., Boise, Idaho, $89,525; grading and surfacing 3.56 mi. Weiser and Payette Trunk Rds., Old Oregon Trail, Malheur Co., to W. Devlin, Mountain Home, Idaho, $36,310.

Oregon—State Highway Comn., Portland, improving 6.2 mi. The Dallas-California Highway, to Bauers & Bauers, Dayton, Wash., clearing and grubbing $7,500, 86,000 cu.yd. earth excav. $0.26 per cu.yd., 7,800 cu.yd. solid rock excav. $1.40, 60,000 cu.yd. overhaul $0.06, etc., total $45,609.

California—State Hy. Comn., Sacramento, to D. A. Foley Co., Grant Bldg., Los Angeles, grading 5.2 mi. road between Bway. Sta. and San Francisco Co. line, San Mateo Co., 540,000 cu. yd. excav., for 60 ft. roadway (borrow from Belle Air Island), $298,610, 200 cu. yd. structural excav. without classification, $45,390. Noted July 17.

Calif., Fort Bragg—To Christensen Constr. Co., Palo Alto, improving various streets, 188,204 sq. ft. grading at $0.05 per sq. ft., 195,356 sq. ft. 3½ in. asphaltic concrete paving $0.165, 23,000 sq. ft. 2 in. asphaltic concrete paving, $4.14, 1,754 lin. ft. concrete curbing, $0.75, total approximately $50,685. Noted Aug. 7.

Calif., Glendale — Improving Glenoaks Blvd., Sycamore Canyon Rd., Hill Dr., Sierra and Merrill Aves., 132,300 sq.ft. oil macadam pavement, etc., to E. L. Fleming, 324 Dryden St., $34,394. Engrs. est. $35,000. Noted Aug. 14.

Calif., Los Angeles—To J. L. McClain, 3452 West Slauson Ave., improving Crenshaw Blvd. between Washington and Adams Sts., grading, $2,323, 160,196 sq.ft. concrete paving at $0.20 per sq.ft., etc., total $42,365.

Calif., Los Angeles—Bd. Pub. Wks., to G. H. Oswald, 366 East 58th St., improving 9th St. between Vermont Ave. and Harvard Blvd., grading $8,100, 552 sq.ft. asphalt paving at $0.26 per sq.ft., 648 sq.ft. concrete paving $0.25, 142,768 sq.ft. warranite bituminous paving, $0.298, etc., total $56,149. Noted Aug. 7.

Calif., Los Angeles—To J. McNamee, 750 South Figueroa St., improving Ave. 60 between Hellman Ave. and Monterey Blvd., grading $8,000, 76,151 sq.ft. concrete paving at $0.22 per sq.ft., 17,248 sq.ft. oil and rolling $0.07, 4,618 ft. curb $0.60, 22,925 sq.ft. sidewalks $0.20, 2,316 sq.ft. gutter, $0.27, storm drain $330, sanitary sewers $7,400, 997 sq.ft. remodeling oil surface $0.07, total approximately $41,743.

Calif., Los Angeles—Supervs. Los Angeles Co., to Basich Bros., 2103 West 28th St., improving Central Ave. between Manchester Ave. and north to city limits of Watts, 10,873 cu.yd. excav. at $0.70 per cu.yd., 26,491 cu.yd. concrete paving $2.29, 7,947 lin.ft. shape shoulders $0.49, total $65,620. Noted Aug. 7.

Calif., Mayfield — Improving various streets, 400,000 sq.ft. 5 in. concrete paving, curbs, gutters, etc., to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $92,845.

Calif., Oakland — To Hutchinson Co., Hutchinson Bldg., improving portions of High St. between Tompkins and Hopkins Sts., etc., 114,454 sq.ft. grading at $0.049 per sq.ft., 60,323 sq.ft. oil macadam pavement $0.11, 14,182 sq.ft. cement sidewalks $0.17, etc., 2,446 lin.ft. Noted July 24.

Calif., Prairie du Chien—W. A. Beuthin, city clk., to Gund-Graham Co., Crum & Forster Bldg., Freeport, Ill., concrete paving, etc. various streets, 17,847 sq.yd. concrete at $2.12 per sq.yd., 4,000 cu.yd. excav., $0.70, 5,315 lin.ft. curb and gutter $0.85. Noted July 31.

Calif., Santa Cruz—Improving Cliff Dr., 317,497 sq. ft. grading, 317,497 sq. ft. 5 in. concrete paving, etc., to Thompson Bros., 1514 H St., Fresno, $63,385. Noted Aug. 7.

Calif., Sausalito — Improving various streets in Dist. C, 36,000 cu. yd. excav., 4,200 cu. yd. 5 in. concrete pavement, 2,500 lin ft. concrete curb and gutter, 80,000 sq. ft. bituminous macadam pavement, 93,800 lin. ft. 4 in. local macadam pavement, 1,272 lin. ft. 12 and 36 in. corrugated iron culverts, 1,320 lin. ft. 8, 12 and 36 in. concrete pipe, etc., to J. A. Dowling, Call Bldg., San Francisco, $165,831.

Calif., Venice — Grading, paving, constructing sanitary sewers with pumps and pumphouse in 35th Ave., etc., to Braun, Bryant & Austin, Box 579, Inglewood, $78,052.

Ont., London—Will pave ⅜ mi. Wellington Ave., 80 ft., by day labor under direction of W. P. Near, city engr. $35,000.

Buildings—Industrial

PROPOSED WORK

Mass., Montague City — Plant — City of Turners Falls, plans municipal lighting system, here. $50,000. Address E. L. Faber, Montague City.

R. I., Providence — Power Plant and Boiler House—Narragansett Electric Lighting Co., having plans prepared by Jenks & Ballou, 1035 Industrial Trust Bldg., power plant. $2,500,000; also having revised plans prepared for 100 x 140 ft., brick and steel, boiler house addition, $50,000, both on Eddy St.

Md., Baltimore — Plant — Montgomery Ward & Co., T. F. Merselles, pres., Chicago Ave. and Larr St., Chicago, Ill., having plans prepared 3 story, concrete, Lincoln Highway opposite Carroll Park, here. $2,000,000. W. H. McCaully, c/o owner, engr. of construction.

Ky., Louisville — Packing Plant — L. P. Bornwasser & Co., 921 Geiger St., having plans prepared by Henschien & McLaren, 1637 Prairie Ave., Chicago, rein.-con. and brick packing plant. $250,000 to $500,000.

Ky., Louisville — Factory — Hoffman Heater Co., Lorain O., plans factory, here. To exceed $40,000.

O., Cleveland — Factory, etc. — Union Towel & Supply Co., 2330 East 36th St., had plans prepared by A. Sharowsky, 2045 Marlowe Ave., remodeling factory and constructing 2 story and basement, 50 x 100 ft., brick and steel, boiler house and garage, 2330 East 36th St. $40,000.

Ill., Wood River—Plant—Roxana Petroleum Co., Arcade Bldg., St. Louis, Mo., having preliminary plans prepared plant. 200 bbl. daily capacity, here. $850,000 up. Private plans.

Wis., Athens—Cannery and Warehouse—Athens Canning Co., c/o J. R. Thill, mgr., Wausau, soon takes bids 2 story, 64 x 128 ft., rein.-con., brick and steel, plain foundation. $75,000. Private plans. Noted July 31.

Mo., Doniphan—Plant, etc.—Doniphan Light & Ice Co., having preliminary plans prepared electric light and ice plant, incl. two 60 hp. oil burning type engines, switchboard, distributing lines, etc. Private plans.

Tex., Ewing—Mill—Bohlssen Mfg. Co., plans rebuilding saw mill, destroyed by fire. $100,000. Private plans.

Tex., Ft. Worth—Factory—Rock Island Ice Co., 517 East 1st St. C. G. Harrold, proprietor, plans ice factory. $85,000.

Tex., Ft. Worth—Factory—Waples-Platter Grocery Co., 1819 Jones St., plans factory. Luxton and East Presidio Sts. $50,000.

Tex., Frankell — Gas Plant — Wooten-Hughes Corp., Ranger, making plans 2 story, 160 x 240 ft., brick and rein.-con., here. $150,000. Private plans.

Tex., Houston — Factory — Linde Air Products Co., Holly and Harrisburg Sts., plans brick and concrete factory. $100,000.

Tex., Jacksonville—Factory—J. F. Gilmore, Athens, plans factory, here. $50,000.

Tex., Jacksonville—Factory—Aber Mfg. Co. plans box factory. $40,000.

Tex., San Antonio—Plant—Glaze Ice & Fuel Co., 119 Pierce Ave., plans brick and concrete, Pine and Van Ness Sts. $40,000. Engineer and architect not selected.

Tex., Tahoka — Plant — City plans ice plant. $40,000. Elrod Eng. Co., 3124 Elm St., Dallas, engrs.

Washington — See "Buildings Commercial."

Calif., Emeryville—Foundry, Warehouse, etc.—Engineering Dept. of Pacific Gas & Electric Co., 445 Sutter St., San Francisco, soon takes bids six 1 story, rein.-con. buildings, incl. foundry, warehouse, laboratory, equipment for storage house, machine and electrical shops, etc. $500,000. Noted Aug. 7.

Calif., Giant—Power Plant—Giant Powder Co., 1st Natl. Bank Bldg., San Francisco, plans group of buildings on 225 acre site. To exceed $150,000. Private plans.

Calif., Sacramento—Bakery—L. F. Starks, archt., Ochsner Bldg., soon takes bids 2 story, rein.-con., 15th and R Sts. for Perfection Bread Co. $110,000. Noted July 31.

Calif., San Bernardino — Shops — State Highway Comn., Sacramento, soon takes bids 60 x 120 ft., fireproof. R. M. Morton, Forum Bldg., Sacramento, state highway engr.

Calif., San Francisco — Plant — California Baking Co., R. J. Workman, pres. and gen. mgr., Fillmore and Eddy Sts., plans rein.-con. baking plant, south of Market St. section. $750,000.

BIDS DESIRED

Pa., Germantown (Phila. P. O.)—Power House—Aug. 22, by A. H. Brockie, archt., 254 South 15th St., Phila., 1 story, 61 x 97 ft., brick and steel, plain foundation, 640 Penn St., here, for Germantown Dispensary & Hospital.

Ky., Louisville—Service—E. R. Leibert, archt., 432 Bway., Milwaukee, taking bids 1 story, 50 x 132 ft., brick and timber,

Buildings—Industrial (Continued)

here, for Red Star Yeast & Products Co., 79 Buffalo St., Milwaukee, Wis. $50,000.

O., Cleveland—Factory—G. Klein of the Novelty Lamp Shade Co., 2490 East 22nd St., taking bids altering and constructing 4 story, 62 x 81 ft., brick and timber addition. $40,000. Private plans.

Mich., Detroit—Factory—Weston & Ellington, archts., 1507 Stroh Bldg., taking bids and open same about Aug. 26, 1 story, 60 x 259 ft. rein.-con., brick and steel addition, plain foundation, Newton Ave., for Detroit City Gas Co., Clifford St.

Mich., Detroit — Factory — A. Kahn, archt., 1000 Marquette Bldg., taking bids 3 story and basement, 101 x 118 ft., rein.-con., Milwaukee St., for B. Schwartz Cigar Corp., 1358 Napoleon St.

Wis., Manitowoc—Cold Storage—Northern Wisconsin Produce Co., South 6th and Quay Sts., and B. K. Gibson Co., engrs., 624 South Michigan Ave., Chicago, Ill., taking bids 2 and 3 story, brick and timber, plain foundation. $50,000.

Wis., Milwaukee — Power House — R. Messmer & Bro., archts., 221 Grand Ave., taking bids 1 story and basement, 36 x 60 ft. power house, with 125 ft. brick chimney, brick and concrete, plain foundation, State St., for Concordia College, 3127 State St. $50,000.

Wash., Riverside—See "Unclassified."

CONTRACTS AWARDED

Vt., Burlington—Factory, etc.—Baldwin Refrigerator Co., 2 story and basement, 60 x 360 ft., brick and timber factory, incl. 1 story boiler house and 1 story dry kiln, to Kieslick Constr. Co., 176 College St. Archts. est. $75,000.

Mass., Fitchburg — Manufacturing — Simonds Saw & Steel Co., 470 Main St., 3 story and basement, 50 x 150 ft., rein.-con., Main St., to E. W. Ward Co., 92 Foster St., Worcester. Archts. est. $120,000. Noted Aug. 14.

Mass., Lawrence — Garage, Shop and Boiler House—City, 1 and 3 story, garage, machine repair shop and boiler house, to Shufelt & McAloon, 102 Cambridge St. Archts. est. to exceed $40,000. Noted Apr. 17.

Mass., Norwood — Warehouse — Bird & Son, Walpole, 1 story, 120 x 160 ft., rein.-con., to J. Gascoigne & Co., Inc., 43 Tremont St., Boston. Archts. est. $50,000. Noted Aug. 7.

Mass., South Boston (Boston P. O.)—Plant—Gillette Safety Razor Co., 41 West First St., 2 story, 70 x 75 ft., brick and stone addition, to Whidden Beekman Co., 100 Boylston St., Boston, Archts. $40,000. Noted Aug. 7.

R. I., Providence — Foundry — Rhode Island Malleable Iron Co., 1 story, 122 x 140 ft., brick and steel, to C. I. Bigney Constr. Co., 184 Washington St. Archts. est. $55,000-$65,000.

N. Y., Alden — Factory, etc. — Bennett Mfg. Co., 1 story, 120 x 126 ft., factory with 40 x 80 ft. wing, and 16 x 20 ft. boiler house, brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $100,000.

N. Y., Buffalo — Plant — Worthington Pump & Mchy. Corp., 115 Bway., New York City, 2 story, 80 x 200 ft. pattern storage plant, here, to Austin Co., 1612 Euclid Ave., Cleveland, O.

N. Y., Hoosac Falls—Plant—Twin State Gas & Electric Co., 160 State St., Boston, Mass., 1 story, 30 ft. high, 30 x 50 ft. rein.-con., brick and stone plant, to F. T. Ley Co., 230 Boylston Ave., Boston, Mass. Engrs. est. $100,000.

Pa., Pittsburgh—Machine Shop, etc.—Williams Gauge Co., 543 4th Ave., 60 x 120 ft., machine shop and office building, Pennsylvania Ave., to Austin Co., Union Trust Bldg. Noted July 10.

Md., Sparrows Point—Service—Bethlehem Steel Co., 2 story, concrete and steel, to Lewis Constr. Co., Calvert Bldg., Baltimore, $48,000.

O., Cleveland—Factory—C. O. Bartlett & Snow Co., French and Winter Sts., 1 and 2 story, 218 x 333 ft., brick and steel, 6200 Harvard Ave., to Forest City Steel & Iron Co., 1500 West 110 St. Archts. est. $200,000. Noted July 10.

Mich., Detroit — Power Plant — Pub. Lighting Comn., East Atwater St., substructure of new municipal lighting plant, at foot of Morrell St., to H. G. Christman Co., 315 Stevens Bldg., $562,000.

Ill., Chicago—Factory—Birtman Electric Co., 640 West Lake St., 3 story and basement, 167 x 311 ft., rein.-con., brick and steel, plain foundation, Fullerton Ave., to H. Menke Co., 2130 West Lake St. Archts. est. $350,000. Noted July 31.

Ill., Chicago — Industrial Warehouse — W. W. Healey, 2700 Lime St., 2 story and basement, 100 x 125 ft., rein.-con. and brick, plain foundation, Pershing Rd. and Canal St., to Federal Constr. Co., 64 West Randolph St. Archts. est. $100,000. Noted July 31.

Wis., Chippewa Falls — Boiler Plant — Chippewa Co., J. R. Harris, co. clk., 1 and 2 story, 46 x 87 ft., rein.-con. and brick, plain foundation, to Shafer & Olson, 222 Bay St. Architects est. $40,000.

Tex., Ft. Worth—Factory—Waples-Platter Grocery Co., 1618 Jones St., will build concrete and brick factory, Jones St., by day labor, under supervision of T. Byrnes, engr., Ft. Worth Natl. Bank Bldg. $50,000. Noted Aug. 14.

Calif., Crockett—Sugar Refinery — California & Hawaiian Sugar Refining Corp., Matson Bldg., San Francisco, steel contract for Sects. 2 and 3 of Warehouse 1, to Moore Dry Dock Co., ft. of Adeline St., Oakland. Archts. est. $1,250,000. Noted July 31.

Calif., Long Beach—Plant—Long Beach Press, 4 story and basement, 50 x 150 ft., brick, 6th and Pine Sts., to C. T. McGrew & Sons, 1345 West Ocean Ave., $183,350. Noted June 26.

Calif., Neenah — Factory — Nat. Fibre Co., Henry St., 1 story, 50 x 100 ft., brick and tile addition, plain foundation, to Immel Constr. Co., Dana Bldg., Fond du Lac. Archts. est. $40,000.

Buildings—Commercial

PROPOSED WORK

Me., Orono—Gymnasium—University of Maine, Orono, having sketches made by Little & Russell, 45 Bromfield St., Boston, Mass. $500,000.

Mass., Boston—Apartment—E. N. Wyner, 18 Tremont St., having plans prepared by C. Allbright, 308 Boylston St., 10 story and basement, 46 x 102 ft., brick, stone, steel and tile, 100 Beacon St. $350,000.

Mass., Boston—Apartments—S. Rosenberg, 111 Ellington St., Dorchester, having plans prepared by S. E. Moffie, 51 Cornhill St., Boston, 4 story and basement, 52 x 80 ft., rein.-con., brick and stone, Riverway and Pilgrim Rd., Back Bay Dist. $150,000.

Mass., Boston—Lodge—Boston Lodge of Elks, 10 Somerset St., having plans revised by McLaughlin & Burr, 88 Tremont St., 13 story and basement, 116 x 150 ft., rein.-con., brick, steel and limestone, Tremont St. near Hollis St., $3,000,000. R. D. Kimball Co., 6 Beacon St., engrs.

Mass., Boston — Warehouse — C. E. Osgood Co., 744 Washington St., having plans prepared by J. Williams Beal Sons, 62 Summer St., 5 story and basement, 110 x 112 ft., Washington and Harvard Sts. $150,000.

Mass., Brighton (Boston P.O.)—High School—School House Dept., Boston, having preliminary plans prepared by O'Connell & Shaw, 134 Newbury St., Boston, 2 story high school, Bennett Dist., here. $200,000.

Mass., Cambridge (Boston P. O.)—Chemistry—Harvard University, having sketches made by Coolidge & Shattuck, Ames Bldg., Boston, chemistry building, Oxford and Divinity Sts., $500,000. Noted June 12.

Mass., Cambridge (Boston P. O.) — School—Harvard University, plans graduate school of business administration group of 13 buildings on site opposite stadium on Brighton side of Charles River. $5,000,000. Noted May 22.

Mass., Lawrence—Bank, Store and Office —Treat Hardware Co., 485 Essex St., having plans prepared by J. E. Allen, 283 Essex St., 3 story and basement, 55 x 170 ft., Bway. and Essex St. $150,000.

Mass., Monson—High School—Town having plans prepared by E. C. and G. C. Gardner, 33 Lyman St., Springfield, high school. $200,000. J. Burgess, chn. building Comn. Noted July 10.

Mass., Northfield — Hall — Town plans hall. $150,000. F. W. Kellogg, town chn. Engineer and architect not selected.

Mass., Weymouth—Hospital—Bd. Town Selectmen plan hospital, Weymouth Heights. $300,000 donation. Engineer and architect not selected.

Mass., Wollaston — (Boston P.O.) — Church—St. Ann's Parish, having plans prepared by W. B. Collcary, 80 Boylston St., Boston, 1 story and basement, Woodbine St. $150,000. J. J. Fitzgerald, Willow St., pastor.

R. I., Providence—Amusement—H. C. Milot, 334 Westminster St., plan 186 x 372 ft. amusement building, North Main St. $175,000-$180,000.

R. I., Providence—Hospital—Providence Lying-In Hospital, State St., having plans prepared by Stevens & Lee, 9 Park St., Boston, Mass., 5 story and basement, 42 x 400 ft., rein.-con. and steel, Bangor St. and Parkway Dr., here. $600,000-$800,000. French & Hubbard, 210 South St., Boston, Mass., engrs.

Conn., Hartford—Office and Store—U. S. Investment & Realty Co., 18 Asylum St., having plans prepared by B. A. Sellew, 721 Main St., 4 story and basement, 40 x 40 ft., brick, plain foundation, State St. $150,000.

Conn., Hartford—Store and Office—P. M. D'Esopo, 510 Front St., having plans prepared by D. A. Guerriero, 1029 Main St., brick, plain foundation, Main St. $400,000. Noted Aug. 14.

Conn., Waterbury — Apartment — P. H. Carroll, Carroll Wire Co., having plans prepared by W. E. Hunt, 182 Church St., Torrington, 9 story and basement, brick and steel, plain foundation, Prospect Ave. $150,000.

Conn., Waterbury—School—St. Joseph Lithuanian Roman Catholic Church having plans prepared by O'Connell & Shaw, 134 Newbury St., Boston, brick school. $150,000. J. J. Valantiejus, 46 Congress Ave., pastor.

Conn., West Hartford (Hartford P.O.)—Fire Dept., having plans prepared 3 story and basement, 50 x 60 ft., brick, plain foundation, Brace Rd. Mylchreest & Reynolds, 238 Palm St., Hartford, engrs.

N. Y., New Rochelle—High School—Bd. Educ. had plans prepared by Starrett & Van Vleck, archts. and engrs., 8 West 40th St., New York City, brick, steel and stone, plain foundation, Center Ave. $800,000.

N. Y., New York—Bank and Office—U. S. Mortgage & Trust Co., 55 Cedar St., having plans prepared by H. O. Chapman, archt. and engr., 171 Madison Ave., 5 story, brick, steel and stone, plain foundation, Bway. and 73rd St. $500,000.

Pa., Altoona—Synagogue—Temple Beth Israel, 13th Ave. and 15th St., having plans prepared by Stanley & Scheibel, 1301 Wick Bldg., Youngstown, O., 2 story and basement, 60 x 150 ft., brick, stone and steel, Chestnut Ave. $200,000.

Pa., Phila.—Apartment—C. Podger & J. Sklar, archts., 5931 Spruce St., preparing plans and soon take bids 4 story and basement, 92 x 122 ft, brick and cinderblock, plain foundation, 63rd and Oxford Sts. $175,000. Owners name withheld.

Pa., Phila.—Fire House—City plans 2 story and basement, 108 x 138 ft., rein.-con. and brick, plain foundation, Juniper and Race Sts. $275,000. Private plans.

Md., Baltimore—Parish House, etc.—Second Presbyterian Church, 2522 North Charles St., having revised plans prepared by E. L. Palmer, 513 North Charles St., 3 story, 73 x 121 ft., brick, plain foundation, St. Paul St. and Charlcotte Rd. $150,000. Noted Mar. 27.

Md., Baltimore—School—Mayor and City Council, City Hall, plans 3 story, brick and rein.-con., plain foundation, Lyndhurst, (suburb Baltimore). $300,000. Engineer and architect not selected.

Md., Highlandtown (Baltimore P.O.)—School—Mayor and City Council of Baltimore, plan 3 story, brick and rein.-con., here. $300,000. Engineer and architect not selected.

N. C., Charlotte — Auto Sales — C. C. Coddington, Inc., West Trade Bldg., having plans prepared by A. Kahn, Marquette Bldg., 5 story, 100 x 200 ft., concrete, brick and steel. $500,000 up.

N. C., Fayetteville—Court House—Cumberland Co. had revised plans prepared by H. Barton, Greensboro, new court house. $400,000. E. A. Poe, chn.

Ga., Atlanta—Garage—B. H. and R. P. Jones, 30 Lullwater Rd., J. Hurt, Jr. and E. Myers, having tentative plans prepared 6 story, fireproof garage, 1,200 car capacity. $900,000.

Ala., Birmingham—Club, etc.—Birmingham Athletic Club, 510 North 20th St., had plans prepared by Warren, Knight & Davis, Empire Bldg., 10 story, 57 x 140 ft. club, and 4 story extension for apartments, lockers, baths, etc., 3rd Ave. and 24th St. Noted May 15.

Ala., Birmingham—Office—Medical Arts Building Co., Birmingham, had plans prepared by Warren, Knight & Davis, Empire Bldg., 12 story, brick and stone, 4th Ave. and 23rd St. $850,000.

Tenn., Memphis — Conservatory — Memphis Conservatory of Music having plans prepared by H. Kramer, Goodwyn Institute, 2 story, brick, concrete and stone, Orleans St. near Vance St. $200,000.

Tenn., Nashville — Hospital — Tennessee Baptist Convention, J. D. Freeman, chn. Hospital Committee, plans addition to hospital, 8th and Union Sts. $500,000. Engineer and architect not selected.

La., New Orleans—College—Jesuits College, Baronne and Common Sts., having plans prepared by Toledana, Wogan & Bernard, Title Guarantee Bldg., constructing group of buildings Carrolton Ave. and Banks St. $700,000 to $800,000.

La., New Orleans—Hotel—Balter Estate, H. J. Balter, mgr., had plans prepared by

Buildings—Commercial (Continued)

Favrot & Livaudais, Hibernia Bank Bldg. 13 story, 60 x 134 ft., brick and terra cotta, University Pl. between Canal and Common Sts. $1,000,000.

La., New Orleans — Theatre — Marcus Loew, 45th St. and Bway., New York City, plans theatre, on Torre Blk., Canal and South Ranpart Sts., here. $1,000,000.

O., Canton — Mercantile and Office — M. M. Siegel, Scranton, Pa., having plans prepared 3 story and basement, 66⅔ x 130 ft., steel and concrete, Cleveland Ave. and 2nd St., N. W., here. $200,000. Engineer and architects name withheld.

O., New Philadelphia—Bank—City Natl. Bank plans bank, Public Sq. $200,000-$250,000.

Mich., Detroit—Hotel—F. O. Varney, archt., 1422 Washington Blvd., preparing plans 8 story and basement, 60x170 ft., rein.-con., brick and steel, plain foundation, 2nd Ave. $450,000. Owners name withheld.

Mich., Detroit—Garage—Elless Co., 400 Burns Ave., having plans prepared by C. N. Agree, 1333 Book Bldg., 2 story, 52 x 400 ft., rein.-con., brick and stone, plain foundation, Burns Ave.

Mich., Ecorse—School—Bd. Educ. Dist. 11, having plans prepared by Van Leyen, Schilling, Keough & Reynolds, 3440 Cass Ave., Detroit, 2 story and basement, rein.-con., brick, steel and stone, plain foundation. $170,000.

Mich., Lansing—High School—Bd. Educ. having plans prepared by J. N. Churchill, Lansing, 2 story and basement, 200 x 235 ft., rein.-con., brick and steel, plain foundation, Cedar St. $450,000.

Ill., Chicago—Apartment—E. Weinhoeber, 22 East Elm St., having plans prepared by W. P. Doerr, 28 East Jackson Blvd., 17 story and basement, 100 x 103 ft., rein.-con., brick and steel, plain foundation, Elm St. $1,100,000.

Ill., Chicago — Auditorium — Bd. South Park Comrs., 5700 Cottage Grove Ave., plans converting Old Field Museum into rein.-con. auditorium, Jackson Park. $5,000,000 bonds voted. D. F. Kelly, pres.

Ill., Chicago — Office — Keough Printing Co., 525 South Dearborn St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 10 story and basement, 135 x 165 ft., rein.-con. and brick, plain foundation, 732-40 West Van Buren St.

Ill., Chicago—School and Convent—G. W. Mundelein, cardinal, 740 Cass St., having plans prepared by L. Strelka, 660 North Rush St., and takes bids about Sept. 1, 3 story and basement, 85 x 125 ft., and 31 x 68 ft., brick and steel, plain foundation, 41st St. $150,000.

Ill., Syracuse — Bank — Syracuse Natl. Bank., having plans prepared by Weary & Alford, 1923 Calumet Ave., 2 story and basement, rein.-con., brick, steel and terra cotta, plain foundation. $150,000.

Wis., Lake Geneva—High School—Union School Dist. 1, L. H. Taggart, clk., having plans prepared by Van Ryn & DeGelleke, 114 Grand Ave., Milwaukee, 3 story and basement, brick, tile and concrete, plain foundation. $225,000. Noted July 31.

Wis., Madison—Stores and Apartments—Kennedy Dairy Co., 629 West Washington Ave., plans 3 story, 32 x 42 x 56 x 76 ft., rein.-con., brick and steel, plain foundation, University St. $150,000. Engineer and architect not selected.

Wis., Racine—Hospital—St. Lukes Hospital, 13th St. and College Ave., soon takes bids 4 story and basement, 40 x 100 ft., brick and concrete addition. $150,000. Plain foundation, etc., for above awarded to A. C. Koppel, 526 Wisconsin St.

Ia., Corning — School — Bd. Educ., C. Mercer, secy., having preliminary plans prepared by Dougher, Rich & Woodburn, 370 Valley Natl. Bank Bldg., Des Moines, 2 story and basement, rein.-con., brick and tile. $150,000.

Ia., Des Moines—School—Bd. Educ., G. Garton, secy., soon takes bids Francis Willard School, 2 story and basement, rein.-con., brick and stone. $175,000. V. Tinsley, 417 Hubbell Bldg., archt. Noted Mar. 27.

Ia., Des Moines—School—Bd. Educ., c/o G. Garton, secy., Warren G. Harding School, having preliminary plans prepared by Boyd & Moore, 810 Insurance Exch., 3 story and basement, rein.-con., brick, tile and stone, Euclid and Ovid Aves. $500,000.

Ia., Sioux City—School—Bd. Educ., H. C. Roberts, secy., having plans prepared by Beuttler & Arnold, Grain Exch. Bldg., 3 story and basement, 176 x 296 ft., rein.-con., brick, tile and steel, 10th and Iowa Sts. $335,000.

Ia., Waterloo — Club — Local Lodge of Elks, L. B. Laird, secy., 181 West 5th St., soon takes bids, 3 story and basement, 48 x 90 ft., rein.-con., brick and stone, 407 East Park Ave. $175,000.

Minn., Iron Mountain — School — Plans election soon to vote on $250,000 bonds constructing new school and additions to 2 others, rein.-con. and brick. E. P. Eilertson, clk. Bd. Educ.

Minn., Minneapolis—Fire Station—City, c/o C. W. Ringer, ch. engr. Fire Dept., 7 City Hall, plans 3 story and basement, rein.-con. and brick, 2nd St. and Nicollet Ave. $200,000. Work will probably be done by day labor.

Minn., St. Paul—School—Concordia College, T. Buenger, pres., 1270 St. Anthony Ave., having plans prepared by Long & Thorshov, 1028 Andrus Bldg., Minneapolis, group of buildings, incl. 2 story and basement, rein.-con. and brick, dormitory which will probably be built in fall, $125,000, also dining hall and athletic field, Syndicate St. near St. Anthony Ave. Total cost $500,000.

Kan., Kansas City—Hotel—Hotel Realty Co., 610 Minnesota Ave., having plans prepared by V. J. De Foe, 203 Brunning Bldg., Kansas City, Mo., 6 story and basement, 40 x 175 ft., rein.-con. and brick. $300,000.

Kan., Newton—Bank—Railroad Building Loan & Savings Assn., having plans prepared by Greenebaum, Hardy & Schumacher, 216 Scarritt Bldg., Kansas City, Mo., 2 story, 50 x 150 ft., rein.-con. and steel, plain foundation. $150,000.

Kan., Topeka — Church — Westminster Presbyterian Congregation, 1252 College St., having preliminary plans prepared by C. Cuthbert, 735 Kansas St., 2 story and basement, brick, tile and stone, 13th and Boswell Sts. $150,000.

S. D. Vermilion—Engineering—University of South Dakota, had plans prepared by Perkins & McWayne, 322 Paulton Blk., Sioux Falls, 3 story and basement, with two 1 story rein.-con., brick and stone. $150,000.

Mo., Concordia — Dormitory—St. Pauls College, c/o E. Runge, secy. Bd. Control, having preliminary plans prepared by L. G. Wilson, 300 Walsix Bldg., Kansas City, 3 story and basement, 72x172 ft., rein.-con., brick and stone. $125,000-$150,000.

Mo., Independence — Memorial — Voted $150,000 bonds 2 story and basement, war memorial. $150,000.

Mo., Kansas City—Hotel—Hoel Realty Co., 610 Minnesota Ave., having plans prepared by V. J. De Foe, 203 Bruening Bldg., and soon takes bids 6 story and basement, 40 x 175 ft., rein.-con. and brick. $300,000.

Mo., Kansas City—Hotel—J. N. McConnell, c/o R. Gornall, archt., 203 Bruening Bldg., having plans prepared 8 story and basement, 60 x 150 ft., rein.-con. and brick. $500,000.

Mo., Marshall—Dormitories—State Building Comn., Jefferson City, plans 2 dormitories, here. $160,000. Eckel & Aldrich, Crosby-Forsee Bldg., St. Louis, archts.

Mo., Springfield—Hospital—Burge Deaconess Hospital Assn., 1323 North Jefferson St., having preliminary plans prepared by E. Hawkins & Co., Springfield, 3 story and basement, rein.-con., brick and stone addition. $200,000.

Mo., St. Louis—Garage, etc.—Missouri Portland Cement Co., Post-Dispatch Bldg., had preliminary plans prepared by Mauran, Russell & Crowell, Chemical Bldg., 1 story 27 x 146 ft. garage and stable, one story, 51 x 165 ft. storage building, Tyler and Main Sts. $175,000.

Mo., St. Louis—Office—Syndicate, c/o J. Dickmann Real Estate Co., 3123 South Grand Blvd., plans 6 story and basement, 41 x 135 ft., rein.-con., brick and stone, Grand Blvd. $175,000.

Tex., Austin—Recitation and Office—University of Texas, Bd. Regents, E. J. Mathews, secy., Education Bldg., having preliminary plans prepared by H. M. Greene Co., North Texas Bldg., Dallas, 3 story and basement, 83 x 154 ft., rein.-con. and brick, campus. $350,000.

Tex., Abilene—Store and Office—J. M. Radford, soon takes bids 3 story, 100 x 135 ft., rein.-con., brick and stone, South 2nd and Chestnut Sts. $190,000. D. S. Castle Co., 26-31 Radford Bldg., archts.

Tex., Corsicana — Bank and Office — Beaton & Collins, State Natl. Bank, having plans prepared by C. D. Hill & Co., Central Bank Bldg., Dallas, 8 story and basement, 55 x 95 ft., brick and concrete. $300,000.

Tex., Dallas — Auditorium — State Fair Association of Texas, and City of Dallas had plans prepared by Lang & Witchell, Amer. Exch. Natl. Bank Bldg., and E. J. Russell, St. Louis, Mo., 35,000 sq.ft. floor space, concrete, brick and steel, Fair Park. $425,000.

Tex., Dallas—Court House—Dallas Co. plans 8 story and basement. $3,250,000. Engineer and architect not selected.

Tex., Dallas — Factory — Perkins Dry Goods Co., Jackson and Austin Sts., plans factory on 42 x 100 ft. site, Jackson St. $40,000 plus.

Tex., Greenville — Hotel and Office — Greenville Hotel Development Co., having preliminary plans prepared 7 story and basement, concrete and brick, Washington and St. Johns Sts. $400,000. Engineer and architect not announced.

Tex., Houston—Theater—J. H. Jones & Co., Bankers Mortgage Bldg., having plans prepared by A. C. Finn, Bankers Mortgage Bldg., 6 story, 125 x 150 ft., brick, concrete and steel. $600,000.

Tex., Laredo — Hotel — P. Tyrrell, c/o Gunter Botel, San Antonio, making plans 6 story and basement, tile, brick and stone, plain foundation. $150,000. Architect and engineer not announced.

Tex., Madisonville — Lodge — Masonic Lodge making plans 2 story and basement, rein.-con., brick and stone, plain foundation. $150,000. Private plans. Noted May 22.

Tex., Paris—Hospital—City and Lamar Co. plan hospital. $150,000. J. Dewees, mayor.

Tex., Port Arthur—Hotel—A. M. Burge and associates, Chamber of Commerce Bldg., making plans 6 story and basement, brick and concrete. $350,000. Engineer and architect not announced.

Tex., San Antonio—Church—First Baptist Church Congregation, 126 4th St., soon takes bids 2 story, 140 x 200 ft., rein.-con., brick, steel and terra cotta, 4th and Taylor Sts. $175,000. W. N. Noonan, 240 Moore Bldg., archt. Noted Mar. 6.

Tex., San Antonio — Dormitory — West Mooreland College, E. R. Stanfield, pres., had preliminary plans prepared by A. B. and R. M. Ayres, Bedell Bldg., 2 to 3 story and basement, brick, stone and concrete, North Side. $150,000.

Tex., San Antonio—Office—Smith Bros., Crockett, having plans prepared by A. B. and R. M. Ayres, Bedell Bldg., 8 story and basement, rein.-con., brick and tile, plain foundation, Bowens Island. $150,000. M. L. Diver, Calcasieu Bldg., engr.

Tex., San Antonio—Office—Stockholders Corp. (financed primarily by property owners) plans brick and concrete, Navarro and Pecan Sts. $150,000. E. Brown, c/o Alamo Natl. Bank Bldg., chn. building com. Engineer and architect not selected.

Tex., San Marcos — Church — Baptist Church having plans prepared by W. N. Noonan, 241 Moore Bldg., San Antonio, 2 story, 80x120 ft., rein.-con., brick and cement stone, plain foundation. $150,000.

Tex., Sherman — Administration — Kidd Key College, E. L. Spurlock, pres., plans concrete and brick. $200,000. Engineer and architect not announced.

Okla., Hollis — Court House — Harmon Co. defeated $150,000 bonds for Court House. A. Miller, co. atty.

Okla., Norman—Dormitories—State University having plans prepared by J. Hicks, 19½ West Main St., Oklahoma City, two 3 story and basement dormitories, 1 for girls and other for boys, rein.-con., brick and stone. $150,000 each.

Wash., Hoquiam—School—Voted $75,000 bonds for new grade school.

Wash., Longview — Hospital — Longview Memorial Hospital Assn., plans 3 story, concrete and steel, Oregon Way. $150,000. G. McPherson, Longview, Wash., archt.

Wash., Tacoma—Home and Administration, etc.—Masonic Grand Lodge of Washington, plans home (1st unit) will accommodate 250 persons, and includes administration building, power plant and water system. $400,000. Heath, Gove & Bell, P. S. Bank Bldg., archts. Noted Dec. 20.

Calif., Fresno—Lodge—Fraternal Order of Eagles, Fresno Aerie, C. H. Yurk, secy., 1834 Calv St., plans fireproof. Fresno and M Sts. $150,000 or more. Engineer and architect not selected.

Calif., Glendale—Church—First Church of Christ Scientist, c/o Milwaukee Building Co., archts., Wright-Callendar Bldg., Los Angeles, had preliminary plans prepared church, Orange St. $175,000.

Calif., Long Beach—Offices and Bank—Marine Holding Corp., E. J. Wightman, pres., Pine Ave. and Bway., plans approximately 8 story and basement, fireproof, Bway.

Calif., Los Angeles—Administration, Loft and Offices—Southwestern Warehouse Co., c/o Bastos, Moore & Carter, archts, 1516 Sunset Blvd., having preliminary plans prepared 14 story and basement, 100 x 120 ft., rein.-con., Alameda St.

Calif., Los Angeles—Garage and Office—H. P. Rehbein, c/o R. D. King, archt., 519 Van Nuys Bldg., making plans 3 and 5 story, approximately 150 x 180 ft., rein.-con., Hollywood Blvd. To exceed $250,000.

Calif., Los Angeles—Hotel—Merrick & Ruddick, Inc., 405 South Hill St., having plans prepared by H. Ryan, 619 Grant Bldg., 14 story, 160 x 200 ft., rein.-con.,

Buildings—Commercial (Continued)
plain foundation, Hollywood Blvd. $1,000,-000.

Calif., Los Angeles — Hotel — Merrick & Ruddick, Inc., 403 South Hill St., having preliminary plans prepared by H. Ryan, Grant Bldg., approximately 12 story, 150 x 200 ft. rein.-con., Hollywood Blvd. and Vine St.

Calif., Los Angeles—Offices—Pub. Serv. Comn., having preliminary plans prepared by L. L. Smith, Byrne Bldg., approximately 12 story, 50 x 120 ft., Class "A" fireproof, 2nd St.

Calif., Los Angeles — School — City had plans prepared by Hudson & Munsel, Douglas Bldg., 3 story, 65 x 150 ft., brick and concrete, McKinley Ave.

Calif., Los Angeles—Store and Office—Montgomery & Richardson, c/o Russell & Alpaugh, archts., Story Bldg., had plans prepared 2 story and basement, 150 x 220 ft., rein.-con., Figueroa St. near 22nd St. $200,000.

Calif., Los Angeles—Store and Hotel—M. Rosenbaum, 1465 North Spring St., had plans prepared by F. S. Ward, 3869 West 6th St., 52 x 155 ft. hotel, 1019 West 8th St. $150,000.

Calif., Los Angeles—Warehouse—Southwestern Warehouse Co., c/o Bastos, Moore & Carter, archts., 1516 Sunset Blvd., having preliminary plans prepared 6 story, 350 x 1,250 ft., rein.-con., Alameda St., near North Main St.

Calif., San Diego—Offices—Pacific Telephone & Telegraph Co., A. E. Scott, mgr., 1130 6th St., plans approximately 4 story, fireproof, 9th and C Sts. $400,000.

Calif., San Jose—Lodge and Office—L. J. Devlin, archt., Pacific Bldg., San Francisco, takes bids about Aug. 21, 6 story and basement, rein.-con., North 1st St., for Knights of Columbus. $155,000.

Calif., San Francisco—Art School—Regents of the University of California, Berkeley, plans fireproof, Jones, Francisco and College Aves. $150,000 or more. Engineer and architect not selected.

Calif., Santa Clara—Observatory—Knights of Columbus, Council 615, Knights Columbus Bldg., San Francisco, plans fireproof, on grounds Santa Clara University. $150,-000. H. I. Mulcreevy, City Hall, San Francisco, in charge of campaign for funds.

Calif., Santa Monica — Club — Casa Del Mar Club, c/o C. F. Plummer, archt., 1108 Story Bldg., Los Angeles, having preliminary plans prepared about 6 story and basement, 210 x 375 ft., probably rein.-con., Pico Blvd. To exceed $750,000.

Calif., San Francisco—Loft, Warehouse and Showroom — Dalziel-Moller Co., 556 Mission St., plans about 3 story and basement, rein.-con., Mission St. near 12th St. $150,000 or more.

Calif., San Francisco — Theatre and Stores—F. J. Young Impvt. Co., c/o Reid Bros., archts., 105 Montgomery St., having plans prepared rein.-con., 350 ft. frontage, Mission St. near 26th St. $150,000 or more.

Calif., Stockton—Office—Owner, H. H. Burgess (interested), Yosemite Bldg., having plans prepared by Mayo, Cowell & Bissell, 21 South San Joaquin St., Medico-Dental Building, 12 to 15 story and basement, fireproof construction in vicinity of Weber Ave. and Sutter St. To exceed $150,000.

Calif., Stockton—Theatre—Knickerbocker Theatres Co., Inc., 134 Leavenworth St., San Francisco, plans reconstructing interior of theatre, also installing heating and ventilating system. $150,000.

Que., Baie St. Paul—Convent—Convent of Congregation, having plans prepared rebuilding convent recently destroyed by fire. $150,000. Private plans.

Que., Montreal—Schools—Catholic School Comrs., 87 St. Catharine St. W., soon takes bids, schools on Fullum Ave. $275,000, Debencourt St. $225,000, Delormier Ave. $185,000, Marson Ave. $185,000, Berri St. $181,000, Adam Ave. $100,000, Joffre St. $125,000, and one for Italian children $150,000, all 3 story. Private plans.

Ont., Collingwood — Collegiate — School Bd., E. Ward, secy., having plans prepared by J. Wilson, Collingwood, 2 story and basement, 90 x 148 ft. $175,000.

Ont., Kingston — Hotel — B. G. Hines, Hotel Mossop, Toronto, soon takes bids 5 story and basement, 100 rooms, Brock St. $446,000. Engineer and architect not selected.

Ont., Toronto—High School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 or 3 story and basement, 10 rooms, rein.-con., brick and steel, plain foundation, in Bloor-Dufferen vicinity. $175,000.

Ont., Toronto—School—Bd. Educ., 155 College St., had plans prepared by C. Dyson, 155 College St., 2 story, 8 room, rein.-con., brick and steel, plain foundation, Phinn and Chatham Aves. $150,000.

B. C., Banff—Hotel—Canadian Natl. Ry., Windsor Sta., Montreal, Que., making plans new hotel on Lake Louise, near here. Engineer and architect not announced.

B. C., Courtenay—Post Office—Dominion Government, Ottawa, having plans prepared and takes bids in 2 months, 3 story, 120 x 120 ft., brick and steel, Isabel St. $365,000.

BIDS DESIRED

Mass., Fall River—High School—Aug. 26, by School Bd., Junior High School, 3 story, 100 x 212 ft., brick and limestone, plain foundation, President St. $250,000. N. S. Chase, 167 Bedford St., archt.

Mass., Fall River—School—City taking bids, 3 story and basement, 200 x 200 ft., rein.-con., brick and limestone, North Park Ave. N. S. Chase, 167 Bedford St., archt.

Mass., Lawrence — Administration and Dormitory—Essex Co. Comn., Essex Co. Training School, taking bids 3 story and basement, 50 x 120 ft., rein.-con. and brick. $150,000. J. E. Allen, 283 Essex St., archt.

Mass., Wakefield—High School—Superintendent of Schools taking bids 2 story brick addition, Franklin St., $150,000. F. I. Cooper Corp., 172 Tremont St., Boston, archts. Noted June 12.

Mass., Salem—Hotel—Community Ownership, c/o Smith & Walker, 80 Boylston St., Boston, will build 6 story, rein.-con. hotel. $450,000. Work will be done by separate contracts under supervision of H. L. Stevens Co., archts., 522 5th Ave., New York City.

Mass., Winchester—Hospital—Winchester Hospital, taking bids altering and building 2 story and basement, 45 x 108 ft., brick addition, Fairmont St. and Highland Ave. $250,000. Kendale Taylor & Co., 142 Berkley St., archts.

Conn., Litchfield — Dormitory, etc. — The Junior Republic Home, taking bids 5 additional building incl. dormitory, etc., brick, plain foundation. To exceed $150,000. E. B. Van Winkle, North Ave., archt.

Conn., Enfield—High School—Sept. 1, by Special Town Com., 2 story high school, Main St. $250,000. F. I. Cooper Corp., 172 Tremont St., Boston, Mass., archts. Noted June 13.

Conn., Meriden—High School—Aug. 25, by School Bd., Thomas Jefferson School, 2 story 100 x 270 ft., brick and stone, plain foundation. $200,000. W. T. Arnold, 34 West Main St., archt.

N. Y., Auburn—Hospital—Auburn City Hospital, Lansing St., taking bids altering present 4 buildings and constructing three new 4 story buildings and connecting passages. $500,000. Hillger & Tallman, 96 Genessee St., archts. Stevens & Lee, 9 Park St., Boston, Mass., associated archts.

Pa., Williamsport—Hospital—Aug. 27, by H. Mosser, chn. Building Com. Williamsport Hospital, 528 West 4th St., 7 story and basement, 45 x 148 ft., brick and steel, plain foundation, Rural Ave. and Spruce St. Stearns & Woodnutt, St. Girard Bldg., Phila., archts.

Md., Evergreen (Baltimore, P. O.) — Gymnasium—Aug. 29, by L. R. White, Jr., archt., Hearst Tower, Baltimore, 2 story, 78 x 153 ft. with 40 x 100 ft. wing, stone, plain foundation, here, for Loyola College. $200,000.

Md., Salisbury—Home—Aug. 26, by H. P. Hopkins, archt., 347 North Charles St., Baltimore, 2 story, 37 x 106 ft., brick, plain foundation, for Home for the Aged. $150,000. Private plans.

Md., Towson Heights (Baltimore, P. O.) —Office—Aug. 22, by G. N. Mackenzie, Keyser Bldg., Baltimore, 1 story, 52 x 185 ft., brick, plain foundation, here, for Black & Decker Mfg. Co. $150,000.

Ky., Bowling Green—Station—Louisville & Nashville R.R. Co., 10th St. and Bway., Louisville, taking bids brick station. $200,000. Noted Apr. 10.

Mich., Detroit—School—Aug. 25, by B. C. Wetzel & Co., archts., 2317 Dime Bank Bldg., 2 story and basement, 174 x 220 ft. rein.-con., brick and stone, plain foundation, Livernois Ave., for University of Detroit, East Jefferson Ave. $400,000.

Mich., Detroit—School—Aug. 27, by Bd. Educ., 1354 Bway. Ave., 2 story and basement, 81 x 102 ft. rein.-con., brick and steel, plain foundation, Wagner Ave. $150,000. Malcomson & Higginbotham, 1217 Griswold St., archts.

Mich., Detroit—School—Verner, Wilhelm & Molby, archts., 751 Book Bldg., taking bids 1 story and basement, 263 x 378 ft., rein.-con., brick and steel, plain foundation, Laley and Dequindre Aves., for Bd. Educ., 1354 Bway. Ave.

Mich., East Lansing — Horticulture — Sept. 2, by State Bd. Agriculture, at office H. H. Hallady, secy., constructing horticultural building. E. A. Bowd, 409 Wilson Bldg., Lansing, archt., O. J. Munson, Lansing, associated archt.

Mich., Saginaw—Bank and Office—Sept. 3, by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, 12 story and basement, 120 x 120 ft., rein.-con., brick and steel, plain foundation, for 2nd Natl. Bank.

Ill., Chicago—Apartment, Store and Hotel —Aug. 28, by J. S. Duckworth, Inc., archt., 20 West Jackson Blvd., 4 story and basement, 70 x 150 x 150 ft., rein.-con., brick, slag and tile, plain foundation, 55th and Harper Aves. for Continental 1st Mortgage Bond Co., A. C. Thompson, 20 West Jackson Blvd., pres.

Ill., Chicago—Apartment—P. F. Olson (owner and archt.), 720 Cass St., taking bids 3 story and basement, 70 x 135 ft., rein.-con. and brick, plain foundation, Sallon St. $150,000.

Wis., Milwaukee — Apartment — Backes & Pfaller, archts., 216 West Water St., taking bids and open same about Aug. 26, 3 story and basement, 120 x 120 ft., brick and concrete, plain foundation, Astor St., for N. Held, c/o architects. $225,000.

Ia., Cedar Rapids—High School—Sept. 8, by Bd. Educ., C. D. Hedberg, secy., 2 story and basement, 190 x 191 ft., rein.-con., brick, tile and stone, J St. and 23rd Ave. W. $250,000. Noted Apr. 3.

Ia., Cedar Rapids—Hospital—Sept. 9, by T. R. Warriner, chn. St. Lukes Hospital, 119 2nd Ave., 6 story and basement, 40 x 180 ft., rein.-con., brick, tile and stone. $325,000. E. W. Dearing, 193 Pilgram Rd., Boston, Mass., archt. Noted July 24.

Tex., Port Neches — High School — Bd. Educ., taking bids 2 story and basement, brick and stone. $150,000. A. Babin, Blanchette Bldg., Beaumont, archt. Noted Aug. 14.

Okla., Bartlesville—School—Aug. 25, by Clerk Bd. Educ., 2 story and basement, 122 x 172 ft. McKinley School, and alterations to Jefferson School. $290,000. J. H. Felt & Co., 802 Grand Ave. Temple, Kansas City, Mo., archts. Noted June 26.

Calif., Los Angeles — Club — Curlett & Beelum, archts., Union League Bldg., taking bids 12 story and basement, 150 x 262 ft., rein.-con., 6th and Park View Ave., for B. P. O. E. 99. To exceed $1,000,000.

Calif., Redondo Beach — Schools — Aug. 30, by Redondo Beach School Dist., North School, 2 story, 100 x 127 ft., brick and rein.-con. F. M. Goodwin, 203 West Main St., Compton, archt. Noted July 31.

Calif., San Francisco—Sept. 3 by Bd. Pub. Wks., group of buildings fireproof, for relief home, for City and San Francisco Co. To exceed $1,500,000. J. Reid, Jr., 1st Natl. Bank Bldg., city archt. Noted Feb. 1.

Calif., San Francisco — Apartments — C. Werner, archt., Santa Fe Bldg., taking bids about Aug. 15, 9 story and basement, Class "A" construction, Nob Hill. $200,000 or more. Owner's name withheld. Noted Aug. 7.

Calif., San Francisco—Warehouse—Ashley & Evers, archts., 58 Sutter St., taking bids 4 story and basement, rein.-con., 5th and Bluxome Sts., for Dohrmann Commercial Co., Grant Ave. and Geary St. $160,000. Noted July 10.

BIDS RECEIVED

N. Y., Brooklyn—School—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Aug. 12, constructing P. S. 145, Central Ave. and Noll St., from Lustbader Constr. Co., 423 Madison Ave., New York, $372,900; P. S. 114, from English Constr. Co., 15 West 91st St., New York, $248,000. Noted July 31.

N. Y., Jamaica — Engine House — Fire Dept., Municipal Bldg., New York, Aug. 12, new engine house for Hook & Ladder Co. 127, Union Ave., north of Fulton St., here, from Eastern Constr. Co., 110 West 40th St., New York, $134,678.

N. Y., Long Island City—School—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, Aug. 12, constructing P. S. 122, from DeRiso Bros., 415 Hackensack Plank Rd., West Hoboken, N. J., $868,974.

N. Y., New York—School—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, Aug. 12, constructing P. S. 136, Edgecombe Ave. and 135th St., from DeRiso Bros., 415 Hackensack Plank Rd., West Hoboken, N. J., $863,344. Noted July 24.

D. C., Wash.—School—Dist. Commissioners, constructing health school, from Miller Eng. Co., Norfolk, Va., $150,300.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 3 story and basement, 202 x 337 ft., rein.-con., brick and steel, plain foundation, Fairview and Charlevoix Aves., from F. N. Cooper, 6370 Gratiot Ave., $716,313. Noted July 17.

Buildings—Commercial (Continued)

CONTRACTS AWARDED

Me., Portland—Hotel—Congress Sq. Hotel Co., 16 Forest Ave., will build 9 story and basement, 65 x 100 ft., by day labor. $1,000,000. H. W. Rhodes, 574a Congress St., archt. Noted July 24.

Me., Oakland — School — School Bd., 2 story and basement, 100 x 160 ft., brick, to Purinton Constr. Co., 65 Temple St., Waterville. Archts. est. $150,000.

Mass., Allston (Boston P. O.)—Apartment—H. K. Goldstein, Hiawatha Rd., Milton, will build 3 story and basement apartment, 10-12 Florence Ave., here, by day labor. $150,000. Winebaum & Wexler, 73 Cornhill St., Boston, archts.

Mass., Fall River—Church—United Presbyterian Church Society, 2 story and basement, 50 x 150 ft., Rock and Walnut Sts., to Beattie & Cornell, 33 North Quarry St. Archts. est. $150,000. Noted May 15.

Mass., Franklin — High School — Bd. Educ., 2 story and basement, 93 x 146 ft., brick and stone, Central and Union Sts., to C. A. Cunningham & Sons Constr. Co., 80 Boylston St., Boston. Archts. est. $200,000. Noted July 31.

Mass., Lawrence—Office—M. Gregg, Bay State Bldg., 8 story, 35 x 88 ft., brick and limestone, Common and Amesbury Sts., to L. B. Cyr, 246 Essex St. Archts. est. $150,000.

Mass., Lynn—Apartment—M. F. Burke, archt., 173 Mile St., Boston, 5 story and basement, brick and stone, Broad St., to Capobianco Constr. Co., 46 Cornhill St., Boston. Archts. est. $250,000. Owners name withheld. Noted July 31.

Mass., Medford—Apartment—P. Farrell, 302 Boston Ave., 4 story and basement, 50 x 100 ft., brick, 304-306 Boston Ave., to Wilson Constr. Co., 7 Water St., Boston. Archts. est. $150,000.

Mass., South Berwick — School — School Com., 2 story and basement, 65 x 110 ft., brick, Main St., to F. A. Rumery Co., 21 Portland St., Portland, Me. Archts. est. $150,000.

Mass., Watertown—Theatre and Store—D. Ginesti, 32 Harriet Ave., Waverley, will build 1 and 2 story, 100 x 150 ft. theatre and stores, by day labor. $150,000. Private plans.

Mass., Worcester—Hospital—I. O. O. F. Grand Lodge of Massachusetts 3 story, brick, Randolph St., to E. J. Cross Co., 82 Foster St. Archts. est. $150,000. Noted May 22.

R. I., Providence—School—St. Raymonds Parish, North Main St., 2 story, brick and steel, North Main and Matilda Sts., to Hope Building Co., 87 Weybosset St. Archts. est. to exceed $150,000. Noted Sept. 20.

R. I., Providence — Temple — Masonic Order Building Comn., c/o W. Upham, archt., 226 Devonshire St., Boston, Mass., 2 story and basement, brick, plain foundation, Taunton Ave., here, to A. W. Merchant, Inc., Hospital Trust Bldg. Archts. est. $150,000.

Conn., Ansonia—Y.M.C.A.—2 and 3 story and basement, to H. Wales Lines Constr. Co., 134 State St., Meriden. Archts. est. $150,000-$200,000. Noted Nov. 29.

Conn., Wallingford — Chapel — Choate School, G. C. St. John, master, will build 2 story and basement, brick and stone, Elm St., by day labor. $150,000. Crane & Ferguson, 240 Boylston St., Boston, archts. Noted Apr. 10.

N. Y., New York — Apartment — Nine Hundred and Ten West End Ave. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 15 story, 80 x 120 ft. brick, steel and stone, plain foundation. West End Ave., by day labor. $1,500,000.

N. Y., New York—Apartment—C. W. Mark Co., c/o Springsteen & Goldhammer, archts., 32 Union Sq., will build 5 story, 88 x 100 ft., brick, steel and stone, plain foundation, 180th St. near Valentine Ave., by day labor. $200,000.

Md., Baltimore—Church and Rectory—Church of the Holy Comforter, Philadelphia Rd. and Linwood Ave., 2 story, stone, plain foundation, to J. Hiltz & Son, 343 St. Paul St., $150,000.

Md., Baltimore—Warehouse—Atlas Safe Deposit & Storage Co., 820 George St., 4 story, 50 x 100 ft., brick and concrete, plain foundation, Edmondson and Philadelphia, Baltimore & Washington R.R., to Consolidated Eng. Co., Calvert Bldg. $175,000.

Miss., Laurel — Church — First Presbyterian Church, 2 story, 50 x 175 ft., with 75 ft. tower, Gothic brick and stone, 5th St., to Underwood Contg. Co., Louisiana Bldg., New Orleans, La., $170,000. Noted Mar. 6.

La., Baton Rouge — Church — Spencer & Phillips, archts., Goodwyn Institute, Memphis, Tenn., brick, steel and stone church for First Methodist Congregation, here, to A. C. Stewart, Baton Rouge, $136,900. Noted July 17.

Steel—New Orleans, La.—Guarantee Development Co., Roosevelt Hotel, furnishing 1,500 tons steel for hotel addition, Baronne St. between Common and Canal Sts., to Levering & Garrigues, 552 West 23rd St., New York City, $160,000. Noted July 17 under "Buildings—Commercial."

La., New Orleans — Office — Guarantee Development Co., 836 Union St., 14 story, brick, stone and terra cotta, Baronne and Gravier Sts., to O. M. Gwin Constr. Co., Canal Commercial Bldg., for Union Indemnity Co., 830 Union St., $1,000,000. Noted July 17.

Tenn., Memphis — Science Hall, etc. — Southwestern College, general contract, science building, Poplar Blvd., to B. E. Buffalo & Co., Memphis, $171,000; 3 dormitories, etc., to Rock City Constr. Co., 150-4th Ave., Nashville, $335,868. Noted July 10.

O., Alliance — Bank — Citizens Saving Bank & Trust Co., 8 story and basement, Main St., to Clemmer & Johnson, 406 Metropolitan Bldg., Akron, approximately $500,000. Noted Dec. 6.

O., Athens—Schools—Bd. Trustees Ohio University, training school, 3 story and basement, 75 x 175 ft., rein.-con. and brick on campus, to Frum & Brening, Athens, $147,000; manual training school, 4 story and basement, 52 x 100 ft., with 56 x 64 ft. wing, rein.-con. and brick, on campus, to R. G. Witters, New Castle, $186,000. Noted Aug. 7.

O., Cleveland—Store—F. W. Woolworth Co., Penton Bldg., 2 story and basement, 82 x 125 ft., brick and steel, 1315 Euclid Ave., to Crowell & Little Constr. Co., Hanna Bldg. Archts. est. $200,000. Noted July 31.

O., Cleveland — Receiving — White Motor Co., 842 East 79th St., 2 story and basement, 70 x 280 ft., rein.-con. and brick, 842 East 79th St., to G. A. Rutherford Co., 2625 Prospect Ave. Archts. est. $250,000.

Ind., Evansville—Church—Central Methodist Episcopal Church, 300 Mary St., 2 story and basement, brick and steel church and community buildings, plain foundation, to Scarborough Davies Co., Old State Bank Bldg. Archts. est. $200,000. Noted Aug. 7.

Mich., Battle Creek — School — J. D. Chubb, archt., 109 North Dearborn St., Chicago, Ill., Fremont School, 2 story and basement, 144 x 156 ft., brick and steel, plain foundation, to R. G. Phelps, 731 Maple St., for Bd. Educ. Archts. est. $150,000. Noted Aug. 7.

Mich., Detroit—Mercantile—Central Detroit Realty Co., c/o Weston & Ellington, archts., 1507 Stroh Bldg., 12 story and basement, 95 x 137 ft., rein.-con., brick and terra cotta, John R St., to Walbridge Alldinger Co., 2356 Penobscot Bldg. Noted Apr. 10.

Mich., Flint—Store—Malcolmson & Higginbotham, archts., 1217 Griswold St., 8 story and basement, 43 x 148 ft. brick and steel, plain foundation, Saginaw St., to O. F. Miller, 225 Pratt Bldg., Kalamazoo, for Jobacker Furniture Co. About $200,000. Noted July 24.

Wis., Milwaukee — Apartments — Shore Realty Co., c/o M. Tullgren & Sons, archts., 425 East Water St., 3 story and basement, 100 x 120 ft., brick and concrete, Atwater St., to P. Riesens Sons, 1018 Humboldt Ave. Archts. est. $200,000.

Wis., Milwaukee—Stores, Apartments and Garage—Mal Investment Co., 376 East Water St., 4 story and basement, 84 x 127 ft. and 100 x 217 ft., brick and concrete, plain foundation, 27th and Wells Sts. to H. Schmitt & Son, 430 Farwell Ave. Archts. est. $260,000. Noted Apr. 10.

Ill., Chicago — Office and Apartment —Mills & Sons, 3656 West North Ave., 3 story and basement, 109 x 125 ft., rein.-con., brick and steel, plain foundation, North Central and North Aves., masonry contract, to Benson Concrete Co., 437 Leclaire Ave. Archts. est. $300,000.

Ill., Chicago — Warehouse — Blackeslees Warehouse Corp., 4860 West Madison St., 6 story and basement, 75 x 175 ft., rein.-con. and brick, plain foundation, 4904 West Madison St., to W. G. McNulty & Bro., 58 East Washington St. Noted July 31.

Minn., Hibbing—Memorial Recreation—City Council, 4 story and basement, rein.-con., brick, tile and stone, general contract, to F. Gorham, Virginia, Minn., $233,732. Noted July 31.

Kan., Wichita—Temple—York Rite Masonic Assn., c/o B. H. Hall, Chamber Commerce Bldg., 7 story, 75 x 135 ft., rein.-con. and steel, plain foundation, South Market St., to Campbell & Price, 605 West Main St., Oklahoma City, $500,000. Noted July 31.

Neb., North Omaha (Omaha P.O.) — Church—Second Church of Christ Scientist, c/o C. L. DeLong, 1422 First Natl. Bldg., Omaha, 1 story and basement, 103 x 103 x 107 ft. addition, 147-9 North 41st St., here, to Parsons Constr. Co., 404 Arthur Bldg., Omaha, $116,000.

Mo., Joplin — Memorial — City Clerk, 1 story and basement, 92 x 127 ft., rein.-con., brick, stone and terra cotta, to A. S. Greenwell, 1712 Anna Baxter St., $149,855. Noted July 24.

Mo., St. Louis—Church—J. H. Lynch & Son, archts., Dolph Bldg., general contract (1st unit) 1 story and basement, 42 x 88 ft., rein.-con., brick and stone, 1910 North Kingshighway, to C. Spornague, 4142 Farlin Ave., for Salem Methodist Episcopal Church. Archts. total est. $150,000. Noted May 8.

Mo., St. Joseph — Church and Sunday School—Zion Evangelical Church, general contract, 2 story and basement, rein.-con., brick and stone, to Lehr Constr. Co., 1710 Frederich St., St. Joseph. Archts. est. $150,000. Noted Dec. 6.

Tex., Dallas—Bank and Office—Republic Natl. Bank, Main St. and Exch. Pl., 20 story, basement and sub-basement, 96 x 100 ft., brick, steel and concrete, Main St. and Scollard Ct., to Inge Constr. Co., Swiss and Hawkins Sts., $1,500,000. Noted Apr. 17.

Tex., Port Arthur—Warehouse—Gulf Refining Co. will build 2 story and part basement, 110 x 260 ft., rein.-con., West 7th St., by day labor. $150,000. H. Henderson, Port Arthur, engr.

Calif., Culver City—Orphanage—Jewish Orphanage of Southern California, 137 West Adams St., Los Angeles, group of orphanage buildings, brick, to H. M. Baruch, I. W. Hellman Bldg., Los Angeles, $155,000. Noted March 20.

Calif., Los Angeles—Apartment—L. Siegel, c/o S. H. Brown, archt., Union League Bldg., will build 4 story and basement, brick, 12th St. and Grand Ave., by day labor. $150,000. Noted July 3.

Colo., Cannon City—High School—School Dist., general contract 3 story, 145 x 208 ft., high school, to Kaer & Larsen, 1185 South Williams St., Denver, $160,500. Noted July 10.

Calif., Los Angeles—Hotel—H. G. Voeckell, 1801 South Central Ave., 4 story, 130 x 142 ft. hotel, Washington St. and Central Ave., to J. A. Watt, Builders Exchange, $425,000.

Calif., Los Angeles—Store and Office—G. Edwards and assoicates, 13 story and basement, 95 x 110 ft., rein.-con. and brick, Grand Ave. and 6th St., to Edwards, Wildey & Dixon, 515 Black Bldg.

Calif., Los Angeles—Store and Office—Montgomery & Richardson, Inc., c/o Russell & Alpaugh, archts., Story Bldg., 2 story and basement, rein.-con., Figueroa St. near 22nd St., to L. T. Mayo, Black Bldg., approximately $175,000.

Calif., Los Angeles—Warehouse—Western Impvt. Co., 6 story and basement, 140 x 259 ft., rein.-con., Mateo and Industrial Sts., to Scofield Eng. & Constr. Co., Pacific Finance Bldg.

Calif., Lynwood — Theatre, Store and Lodge—E. R. Pillet, 2 story and basement, 100 x 120 ft., steel and concrete, Long Beach Ave., to H. B. Eachus, 388 Newport St., Long Beach.

Calif., San Francisco—Synagogue—Temple Emanuel, 450 Sutter St., Class A construction, Arguello Blvd. and Lake St., general contract, to McDonald & Kahn, 130 Montgomery St., approximately $1,000,000; steel contract, to Moore Dry Dock Co., foot of Adline St., Oakland. Noted Feb. 22.

Que., Montreal—Church—St. Cecile Roman Catholic Parish, brick and stone church, to Orila Filion & Bros., 2985 St. Denis St., $262,000. Noted Apr. 24.

Federal Government Work

BIDS DESIRED

Mass., Boston — Dredging — Sept. 16, by U. S. Engineer Office, Custom House, dredging in Weymouth, Fore River; adv. E. N.-R. Aug. 21.

Mass., Chelsea—Storehouse—Sept. 2, by Superintendent Lighthouses, Boston, store-

Federal Government Works (Continued)

house at lighthouse depot, 37 Marginal St., here.

N. Y., Staten Island—Buoys—Aug. 28, by Superintendent Lighthouses, furnishing 8 type 8-20-B acetylene buoys with bells.

Md., Baltimore — Tender — Aug. 26, by Superintendent Lighthouses, docking, cleaning and repairing Tender "Maple."

BIDS RECEIVED

Pa., Phila.—Maintenance and Improvement—U. S. Engineers Office, 1307 Schaff Bldg., maintenance and improving existing River and Harbor works in Delaware River, from Phila. to the sea, from General Ship Repair Co., 113 Walnut St., $206,615. Noted July 31.

Tenn., Franklin — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., constructing post office, here, from A. Blair, Laurence St., Montgomery, Ala., $43,300. Noted July 17.

Mo., St. Louis—Earthwork—Mississippi River Comn., 1311 International Life Bldg., 280,000 cu.yd. earthwork in Iowa-River-Flint Creek Dist. 15, Iowa, from McWilliam Dredging Co., McCormick Bldg., Chicago, Ill., $0.2285 per cu.yd., and 100,000 cu.yd. in Louisa Co. Levee Dist. 15, Iowa, from LaCrosse Dredging Co., 405 Plymouth Bldg., Minneapolis, Minn., $0.29 per cu.yd. Noted July 31.

Ariz., Whipple Barracks—Roads—U. S. Veterans Bureau, Room 709 Arlington Bldg., Wash., D. C., grading and resurfacing roads at Veterans Hospital 50, from Warren Bros. Co., 9 Cambridge St., Boston, Mass., $36,990, alternate $35,582. Noted July 17.

H. T., Pearl Harbor—Steel Water Tank—Spec. 4992—Bureau Yards & Docks, Navy Dept., Wash., D. C., elevated steel water tank at Naval Sta., here, from Pittsburgh-Des Moines Steel Co., Virginia Ry. & Power Bldg., Richmond, Va., (1) $44,541 (2) $32,280 (3) $51,152 (4) $39,570. Noted July 3.

CONTRACTS AWARDED

Ala., Florence—Castings—U. S. Engineer Office, War Dept., Wash., D. C., iron and steel castings for lock gates, here, to Hardie-Tyres Mfg. Co., 800 North 28th St., Birmingham, $26,517.

Ala., Florence—Steel Roof Trusses—U. S. Engineer Office, structural steel roof trusses for power house at Wilson Dam, Tennessee River, to Virginia Bridge & Iron Co., 3900 8th Ave. N., Birmingham, $13,296. Noted July 10.

Mich., Detroit—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging in Saginaw Bay and River, to Dunbar & Sullivan Dredging Co., 2211 Dime Bank Bldg., $71,920. Noted July 24.

Ill., Jerseyville—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, brick and tile post office, here, to W. McDonald Constr. Co., St. Louis, Mo., $51,266. Noted June 26.

Wyoming — Roads — Bureau Pub. Rds., Custom House, Denver, Colo., grading 1.2 mi. Dayton-Steamboat Rock Natl. Forest Rd. Project, Sheridan Co., to Wickham Bros. & Schwieger, 424 Stapleton Bldg., Billings, Mont., $29,053, also 3.38 mi. Encampment-Slater Natl. Forest Rd. Project, Carbon Co., to G. F. Braisted & Co., Laramie, $31,130. Noted July 31.

New Mexico—Road—E. S. Wheeler, dist. engr. Bureau Pub. Rds., U. S. Dept. Agriculture, 242 West Washington St., Phoenix, Ariz., grading and surfacing 5.798 mi. Alma Dry Creek Natl Forest Rd., Catron and Grant Counties, to J. Mulligan, El Paso, Tex., $108,131. Engrs. est. $118,194. Noted July 24.

Unclassified

PROPOSED WORK

Playground and Bleachers — Roxbury (Boston P. O.), Mass., Park Dept., Boston, plans reconstructing playground and erecting bleachers, for William Eustis School, St. George St., here. $100,000. J. B. Shea, chn.

Causeway—Mississippi—State Hy. Dept., Jackson, plans causeway from Bay of Biloxi, Harrison Co. (Gulfport) to Ocean Springs, Jackson Co. (Pascagoula). $380,000. Cost to be borne by Federal Government and Counties.

Athletic Field — St. Paul, Minn. — See "Buildings."

Heating System—Virginia, Minn.—Plans to issue $40,000 bonds extending heating system. A. E. Bickford, city clk.

Carbonizing Ovens—Minot, N. D.—Dakota Lignite Product Co., plans 4 additional carbonizing ovens and replacing old briquetting equipment with new at plant, also constructing 10 additional carbonizing and briquetting plants at other locations.

Transmission Line and Lighting System —Braman, Okla.—See "Waterworks."

Oil Pipe Line—Albany, Tex.—Texas Co., Texas Co. Bldg., Houston, making plans oil pipe line in Shackelford Co. oil field, here. $25,000. W. E. Gates, c/o owner, engr.

Flood Prevention—San Antonio, Tex.—Attorney Generals Dept. approved $2,800,000 bonds flood prevention, dam, etc. J. W. Tobin, mayor. Noted Aug. 14.

Pressed Steel Lighting Standards—Los Angeles, Calif.—Plans 109 pressed steel lighting standards on portion of Main St. To exceed $25,000.

Underground Conduit—Oakland, Calif.—Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco, plans underground conduit in portions of 35th Ave. and Foothill Blvd. $150,000.

Street Lighting System—Santa Monica, Calif.—See "Streets and Roads."

Underground Conduit — San Francisco, Calif. — Pacific Telephone and Telegraph Co., 333 Grant Ave., T. F. Delury, mgr., plans laying new underground conduit and cable lines along Ocean Ave. $60,000.

Ornamental Street Lighting System — San Gabriel, Calif.—Plans street lighting system in various streets incl. Shore Rd., etc. To exceed $25,000.

Sheds — Quebec, Que. — Quebec Harbor Comn., having plans prepared rebuilding 800 ft. corrugated iron sheds along St. Lawrence River recently destroyed by fire, $150,000. A. R. Decary, engr. Dept. Pub. Wks.

Power Line — Ontario — Hydro Electric Power Comn., Toronto, plans power line from Aylmer to Springfield. $40,000. A. Beck, London, chr.

BIDS DESIRED

Stadium—Providence, R. I.—Brown University, Prospect St., taking bids rein.-con. and steel stadium, Sessions St. $500,000. G. Hadden, 280 Madison Ave., New York City, engr.

Retaining Wall — Pennsylvania — See "Streets and Roads."

Electric Light Improvements—Shuqualak, Miss.—See "Waterworks."

Sea Wall and Beach—Waveland, Miss.—Sept. 2, by Comrs. Hancock Co., 3 mi. sea wall and sloping beach, 520,000 cu.yd. hydraulic fill, 3.3 mi. Bermuda grass sodding, 17,347 ft. rein.-con. sheet piling, 1,595 lin.ft. 24 in. rein.-con. pipe, culverts and 1,400 ft. 24 in. concrete pipe, 351,000 ft. creosoted timber, 14,000 lin.ft. rein.-con. pipe, etc. C. M. Kerr, Hibernia Bank Bldg., New Orleans, La., consult. engr.

Cement, Gravel, etc.—St. Paul, Minn.—Aug. 26, by H. W. Austin, purch. agt., 3,700 bbl. Portland cement, 2,735 cu.yd. crushed rock or gravel, 1,730 cu.yd. concrete sand, 177 tons asphalt, etc. G. M. Shepard, city engr.

Culverts—South Dakota—See "Bridges."

Lighting Standards—Los Angeles, Calif.—Bd. Pub. Wks. taking bids 10 concrete lighting standards on Windsor Blvd. between 1st St. and Beverly Blvd.; 78 concrete lighting standards on Rimpau Blvd. between Pico St. and Wilshire Blvd.

Lighting Standards—Los Angeles, Calif.—Bd. Pub. Wks. taking bids 340 pressed steel lighting standards on Sunset Blvd. between North Bway. and Sanborn Aves.

Street Lighting System—Napa, Calif.—Taking bids 153 Arcadian street lighting standards with globes, wiring, etc., in portions of Brown, Main, Soscol Sts., etc. $31,000. H. A. Harrold, city engr.

BIDS RECEIVED

Comfort Stations—Coney Island (Brooklyn P. O.) **N. Y.**—E. Riegelmann, Boro pres., Boro Hall, Brooklyn, constructing 5 public comfort stations and 5 pavilions on Boardwalk, here, from W. W. Constr. Co., 15 East 40th St., New York, $384,600 and $88,800 respectively; plumbing from J. A. Graf, 394 Waverly Pl., $91,873, heating from H. Starkman & Bros., 1482 2nd Ave., New York, $16,935.

CONTRACTS AWARDED

Coaling Plant—Brattleboro, Vt.—Central Vermont Railway Co., St. Albans, coaling plant, here, to Roberts & Schaffer, 400 North Michigan Ave., Chicago, Ill. Engrs. est. $60,000.

Mechanical Equipment, etc.—Jamaica, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment for P. S. 95, 179th St., here, to G. M. O'Connor, Fulton St., Astoria, $22,700, heating to Miller & Brady, 210 East 38th St., New York, $77,000, electric work to Jandous Electric Equipment Co., 109 West 31st St., New York, $27,440. Noted July 31.

Heating, Mechanical Equipment, etc.—New York, N. Y.—W. H. Gompert, supt. Bd. Educ., Flatbush Ave. extension and Concord St., Brooklyn, heating in High School of Commerce, West 65th St., here, to G. E. Gibson, 103 Park Ave., $106,385, mechanical equipment, to J. J. Kenney, 236 West 20th St., $44,000, electric work to Jandous Electrical Equipment Co., 109 West 31st St., $34,480; heating in P. S. 82, West 176th St., here, to Baker Smith Co., 576 Greenwich St., $93,500, mechanical equipment, to W. F. Kenney Co., 44 East 23rd St., $47,200, electric work to T. F. Jackson, 99 John St., $30,750; heating in P. S. 83, Rhinelander Ave., here, to Baker Smith Co., 576 Greenwich St., $93,500, mechanical equipment, to W. J. Endres, Grand Central Terminal, $44,222. Noted July 31.

Heating System — Wash., D. C. — Dist. Comrs., heating system and alterations in Strong John Thompson School, from M. B. Qases & Co., Wash., D. C., $25,165.

Pipe — Raleigh, N. C. — North Carolina State College, pipe connecting new central heating plant with all buildings on campus, to Grinell Co., North Charlotte St., $64,800.

Fire Station — New Orleans, La. — City constructing central fire station, etc., to J. V. and R. T. Burkes, Carondelet Bldg., $68,560; also 2 substations, one at St. Ferdinand St. and one at Laurel St., to A. Telle, Hammond, $15,570 each.

Electric Switchboard, Wiring, etc. — Baltimore, Md.—Mayor and City Council, electric switchboard, wiring, etc., in Sludge Pumping Sta. 2, Back River Sewage Treatment Wks., Contr. 48, to H. E. Crook Co., 28 Light St., $2,200. Noted Aug. 14.

Foundation, etc. — Racine, Wis. — See "Buildings—Commercial" under Proposed Work.

Culvert—Dennison, Ia.—Crawford Co., 15 culverts and extensions, to Jansen Constr. Co., Kimballton, $8,726; 12 culverts and extensions, to Lundgren Reis Co., 65 College St., Des Moines, $8,190; one 18 x 60 ft. pony truss bridge and 1,548 ft. piling, to C. J. Kramme Co., Fort Dodge, $8,684. Noted July 24.

Athletic Field—Ft. Worth, Tex.—Texas Christian University, will build athletic field with 2 steel and concrete stands, by day labor, under supervision of Baker & Von Zuben, engrs., Ellison Bldg., $37,000. Noted Aug. 14.

Amusement Pier, etc.—Venice, Calif.—Electric Pier & Amusement Co., Merritt Bldg., Los Angeles, frame and concrete pier to I. Simpson Co., 701 Antonio Ave., Los Angeles, plus percentage basis. Archts. est. $1,000,000 or more. Noted May 22.

Material and Equipment

PROPOSED WORK

Pipe — Sierra Madre, Calif. — L. Dietz, city clk., plans to purchase 5,868 ft. 8 in., 2,992 ft. 6 in. and 16,226 ft. 4 in. wrapped and dipped riveted steel pipe with fittings.

BIDS DESIRED

Asphaltic Concrete—New York, N. Y.—Aug. 28, by Dept. Purchase, Municipal Bldg., furnishing and delivering asphaltic concrete.

Dragline Machine — Greenville, Miss. — Sept. 9, by Comrs. Black Hawk Bayou D. D., Washington Co., self-propelling dragline machine. O. C. Kulicka, secy. and treas.; adv. E. N.-R. Aug. 21.

Refrigeration Machinery and Equipment —Madison, Wis.—Kennedy Dairy Co., 629 West Washington Ave., taking bids refrigeration machinery and equipment for store and apartment building. E. Tough, Washington Bldg., archt.

Piling, etc. — Leon, Ia. — Aug. 20, by Clerk Decatur Co., 4,800 ft. red cedar and 4,080 ft. creosoted yellow pine piling, also 258,830 ft. fir lumber. F. G. Mulette, Leon, engr.

Gunite Sand—Manteca, Calif.—Aug. 30, by S. L. Steele, secy. South San Joaquin Irrigation Dist., 6,000 tons or more gunite sand.

Portland Cement — Manteca, Calif. — South San Joaquin Irrigation Dist., taking bids 15,000 bbls. or more Portland cement.

Wire Mesh Reinforcing—Manteca, Calif.—Aug. 30, by S. L. Steele, secy. South San Joaquin Irrigation Dist., furnishing 2,500,000 sq.ft. or more wire mesh reinforcing.

Pipe—Bic, Que.—L. I. Rioux, city engr., in market for 500 ft. 12 in., 1,500 ft. 8 in., 325 ft. 10 in. and 1,000 ft. 6 in. clay pipe.

OFFICIAL PROPOSALS

Bids: Sept. 3.

Highway Work

Dover, Del.

Sealed proposals will be received by the State Highway Department, at its office, Dover, Delaware, until 2 o'clock P. M. September 3, 1924, and at that place and time publicly opened, for the construction of State and State Aid Highways, involving the following approximate quantities:

CONTRACT NO. CN-21
MERMAID TO VALLEY ROAD
1.96 MILES

9,800 cu.yd. excavation.
600 cu.yd. rock excavation.
180 tons broken stone base course.
4,000 cu.yd. cement concrete pavement.
10,350 lin.ft. longitudinal metal joint.
70 cu.yd. Class A cement.
2,100 lb. reinforcement.
300 lin.ft. 16 in. corr. iron pipe.
100 lin.ft. 18 in. corr. iron pipe.
30 lin.ft. 15 in. r. c. pipe.
140 lin.ft. 18 in. r. c. pipe.
30 lin.ft. 24 in. r. c. pipe.
300 lin.ft. 30 in. r. c. pipe.
30 lin.ft. 48 in. r. c. pipe.
100 lin.ft. relaid pipe.
5,200 sq.yd. Class A concrete gutter.
1,200 lin.ft. wire cable guard rail.
2,600 lin.ft. wood shoulder curb.

CONTRACT NO. CS-34
DAGSBORO TOWARDS VINES CREEK
1.53 MILES

4,900 cu.yds. excavation.
200 cu.yd. borrow.
50 tons broken stone base course.
2,575 cu.yd. cement concrete pavement.
OR 2,575 cu.yds. 1:2:3-1-2 slag concrete.
110 cu.yd. Class A concrete.
5,000 lbs. reinforcement.
250 lin.ft. 16 in. corr. iron pipe.
84 lin.ft. 15 in. r. c. pipe.
70 lin.ft. 18 in. r. c. pipe.
800 lin.ft. wood shoulder curb.

CONTRACT NO. 25-C
CONCRETE APPROACH AT SMYRNA
0.01 MILE

50 cu.yd. excavation.
50 cu.yd. borrow.
75 cu.yd. cement concrete pavement.

Performance of contract shall commence within ten (10) days after execution of the contract and be completed on or before December 30, 1924.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department.

Each proposal must be accompanied by a surety bond, certified check, or money to the amount of at least ten (10) per centum of the total amount of the proposal.

The envelope containing the proposal must be marked "Proposal for the construction of State or State Aid Highway Contract No............."

The Contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Detailed plans may be seen and index plans and specifications may be obtained upon deposit of ten dollars ($10.00) which amount will be refunded upon return of plans and specifications in good condition at the office of

STATE HIGHWAY DEPARTMENT,
Dover, Delaware.

Bids: Sept. 11.

Contract 23 For Dredging at Rye, N. Y.

WESTCHESTER COUNTY PARK COMMISSION

Bronxville, N. Y.

Sealed bids for dredging and filling approximately 800,000 cu.yds. at Manursing Island Park, Rye, N. Y., will be received by the Westchester County Park Commission at its office, 72 West Pondfield Road, Bronxville, N. Y., until 11 A.M. (daylight saving time), September 11, 1924.

Pamphlets containing informaton for Bidders, Form of Proposal, Specifications and Contract Drawings may be obtained by intending bidders at the above address by depositing $5.00. The right is reserved to reject any or all bids.

WESTCHESTER COUNTY
PARK COMMISSION,
By JAY DOWNER, Chief Engineer.
Dated Bronxville, N. Y., August 21, 1924.

OFFICIAL PROPOSALS

Bids: August 26.

Roads

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION

Baltimore, Md.

SEALED PROPOSALS for building eight sections of State Highway, as follows:

FREDERICK COUNTY. Cont. F-77. One section of state highway from Shyrocks Mills to Creagerstown, a distance of 1.63 miles (concrete).

HOWARD COUNTY. Cont. Ho-49. One section of state highway along the Landing Road from the Montgomery Road toward Illchester, a distance of 1.0 mile (gravel).

MONTGOMERY COUNTY. Cont. M-54. One section of state highway from the Seventh St. Pike thru Forest Glen to Kensington, a distance of 2.2 miles (concrete shoulders).

MONTGOMERY COUNTY. Cont. M-55. One section of state highway from Damascus toward Browningsville, a distance of 1.0 mile (concrete).

BALTIMORE COUNTY. Cont. B-64. One section of state highway along the Falls Road from end of contract B-60 toward Butler, a distance of 1.0 mile (concrete).

BALTIMORE CITY. Cont. Bc-47. One section of state highway along Fort Ave. from Light Street to Lawrence Street, a distance of 0.57 miles (sheet asphalt).

CHARLES COUNTY. Cont. Ch-32. One section of state highway from Marshall Hall toward Pomonkey, a distance of 2.0 miles (gravel).

SOMERSET COUNTY. Cont. S-21. One section of state highway from Crisfield to Asbury Church, a distance of 0.87 miles (concrete).

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 26th day of August, 1924, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By Order of the State Roads Commission this 8th day of August, 1924.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids: Sept. 4.

Paving, Curbing and Storm Sewers

Mobile, Ala.

Sealed bids will be received by the Board of City Commissioners of the City of Mobile, Alabama, until Thursday, September 4th, at noon, for the following:

Street Paving and Curbing.

Approximately 26,300 square yards of Warrenite Bitulithic or Sheet Asphalt.

Approximately 11,400 Linear Ft. of One Course Concrete Curbing.

Storm Sewers.

6 inch pipe—5,000 Ft.
10 inch pipe—2,200 Ft.
12 inch pipe—1,200 Ft.
15 inch pipe—1,400 Ft.
18 inch pipe—2,300 Ft.
20 inch pipe— 900 Ft.
24 inch pipe— 600 Ft.
Manholes 20
Inlets 65
Special Basins..80

Plans, profiles and specifications can be seen at the City Engineers Office. A deposit of $1,000 will be required to accompany each bid. The right is reserved to reject any or all bids.

GEO. E. CRAWFORD,
Commissioner of Streets.
WRIGHT SMITH,
City Engineer.

OFFICIAL PROPOSALS

Bids: Sept. 17.

Relief Sewers

Grand Rapids, Mich.

Sealed proposals will be received at the office of the Director of Public Service, in the City Hall, Grand Rapids, Mich., up to 2 o'clock p.m., Eastern Standard Time, of Wednesday, the 17th day of September, 1924, for the construction of the Logan Street Relief Sewer Project—CONTRACT J-3 consisting principally of the following items:

2200 ft. of 6-ft. 3-in. by 6-ft. 3-in. semi-elliptical or equivalent sewer (open cut or tunnel method of construction).

600 ft. of 60-in. circular or equivalent sewer (open cut or tunnel).

Diversion chamber and manholes.

Acceptable construction materials for open cut work will be reinforced concrete cast in place, pre-cast reinforced concrete pipe, vitrified clay or concrete (cup-type) segmental block.

For construction in tunnel: plain concrete, brick, vitrified clay or concrete (cup-type) segmental block.

Bids are invited on either or both methods and on any or all of the materials of construction mentioned above.

Payment will be made out of the proceeds of a general city bond issue, authorized November 6, 1923. Funds for the work will be provided as required, by the sale of these bonds.

The required date of completion for this Contract will be set by the Contractor.

Copies of the Plans and Specifications according to which the work is to be done are on file in the office of the Sanitary Engineer, City Hall, and can be obtained for bidding purposes by making a deposit of Ten Dollars, which will be refunded upon the return of the Plans and Specifications on or before October 1, 1924.

A certified check in the sum of Three Thousand Five Hundred Dollars ($3,500.00) will be required with each proposal.

The right is reserved by the City to accept any proposal, to reject any or all proposals, and to waive defects in proposals.

FRED H. LOCKE,
City Manager.

Bids: Sept. 5.

Renewal of Viaduct

DEPARTMENT OF PUBLIC WORKS

Buffalo, N. Y., Aug. 13, 1924.

Sealed proposals for work and supplies as set forth below, will be received at the office of this Department, Room 5, Municipal Building, until 11 o'clock a.m. Sept. 5, 1924.

No proposal will be considered unless it be accompanied by a certified check, payable to the order of the Department of Public Works, in the amount specified in specifications or by a bond conforming to law; such bonds to be fifty per cent of the sum named in the proposal.

Plans and specifications and estimate of quantities can be seen, and printed forms of proposals, and any desired information can be had on application at the Bureau of Engineering on and after this date.

This Department reserves the right to reject any and all bids, and waive any informalities.

A separate proposal must be made for the work and supplies included in each descriptive paragraph following:

For the reconstruction, renewal and protection of the Viaduct in Washington St. over the New York Central Railroad south of Exchange St., Buffalo, N. Y.

Notice of intention—January 2, 1924.

WILLIAM F. SCHWARTZ,
Commissioner of Public Works.

Bids: August 29.

Draw-Bridge

Quogue, N. Y.

Sealed bids for the construction of a draw-bridge to replace the present Post Bridge at Quogue, N. Y., will be received by the undersigned at the office of the Town Clerk, Southampton, N. Y., up to 11.00 A. M. (daylight saving time), Friday Aug. 29, 1924.

Estimated cost $31,000.00. Instructions for bidders, plans and specifications may be obtained from A. O. Smith, County Supt. of Highways, Port Jefferson, N. Y.

FRANK DOWNS,
Town Supt. of Highways